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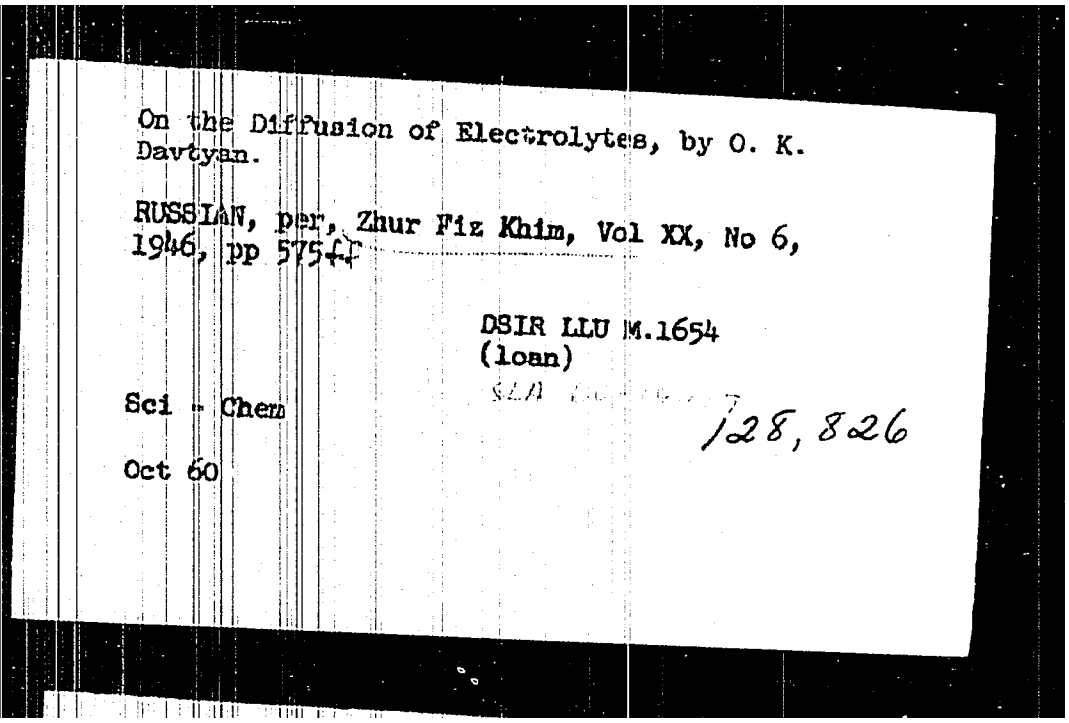

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DSIR LLU M.1654
(loan)

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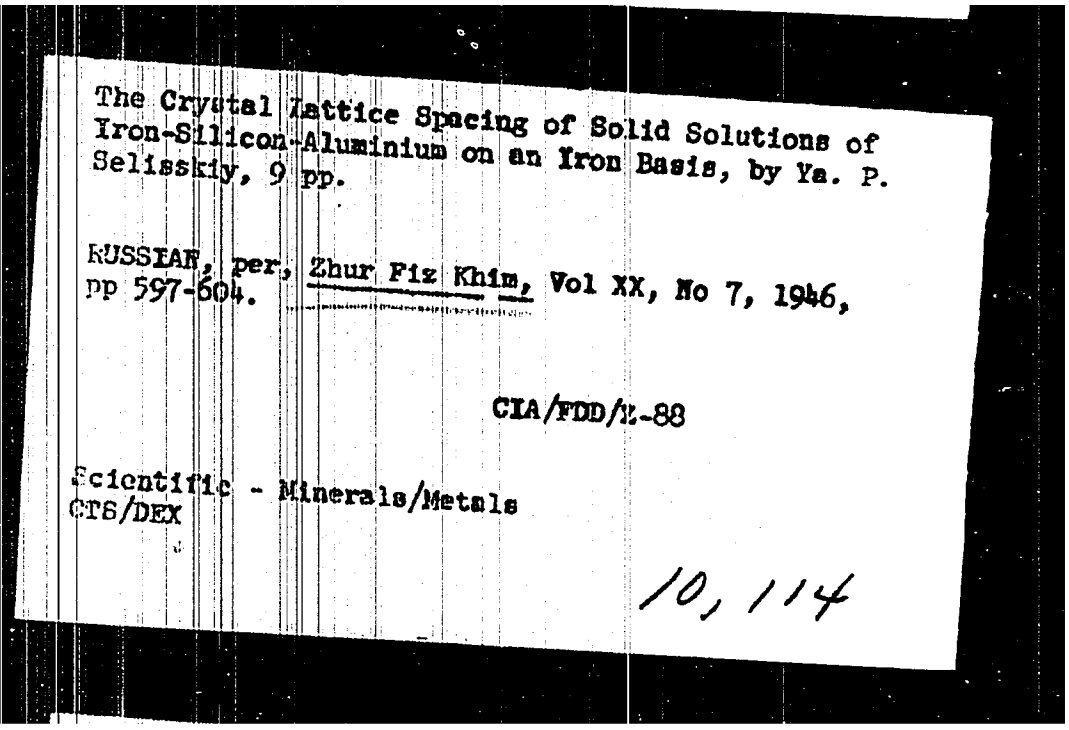

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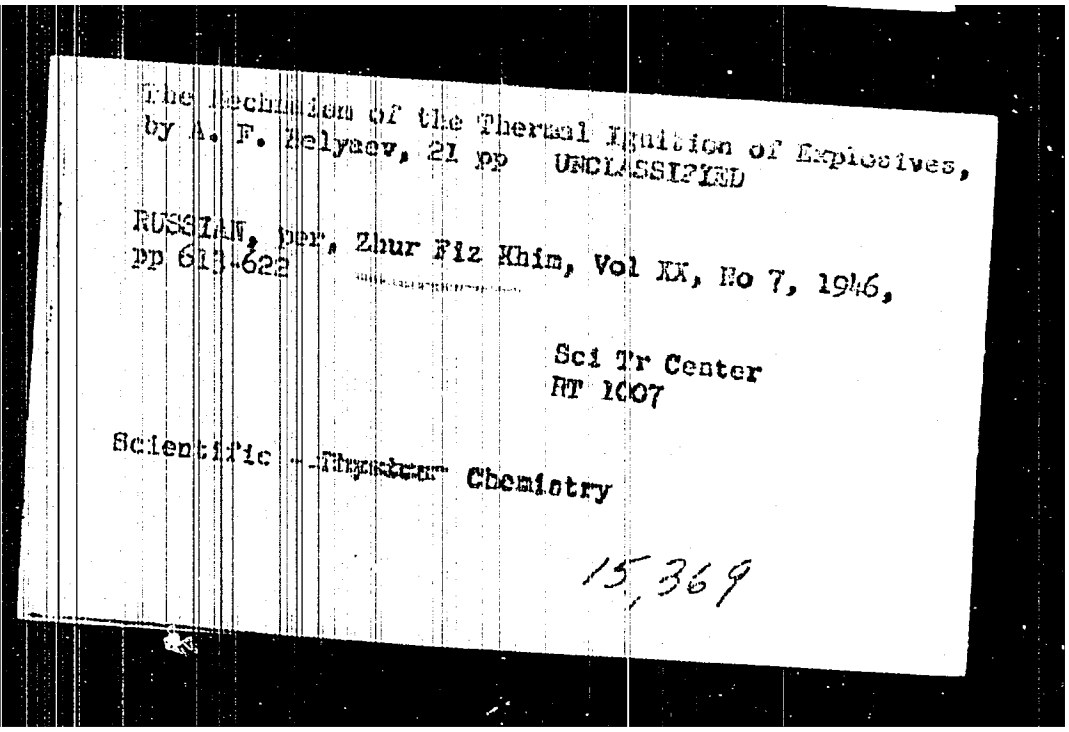

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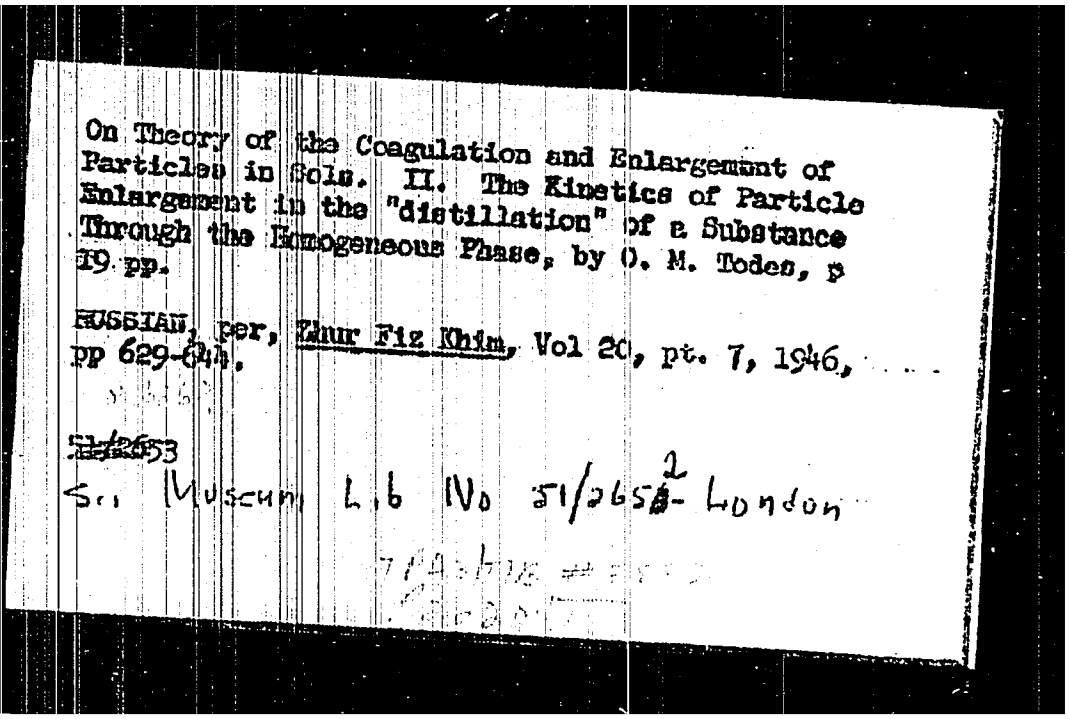

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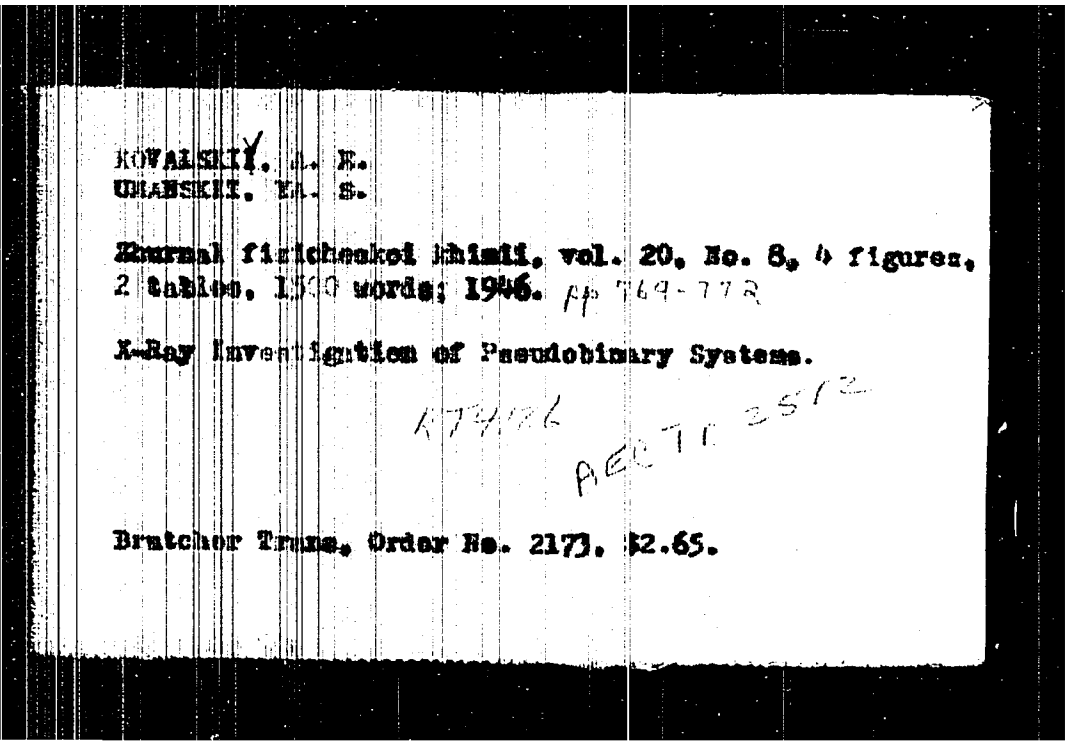

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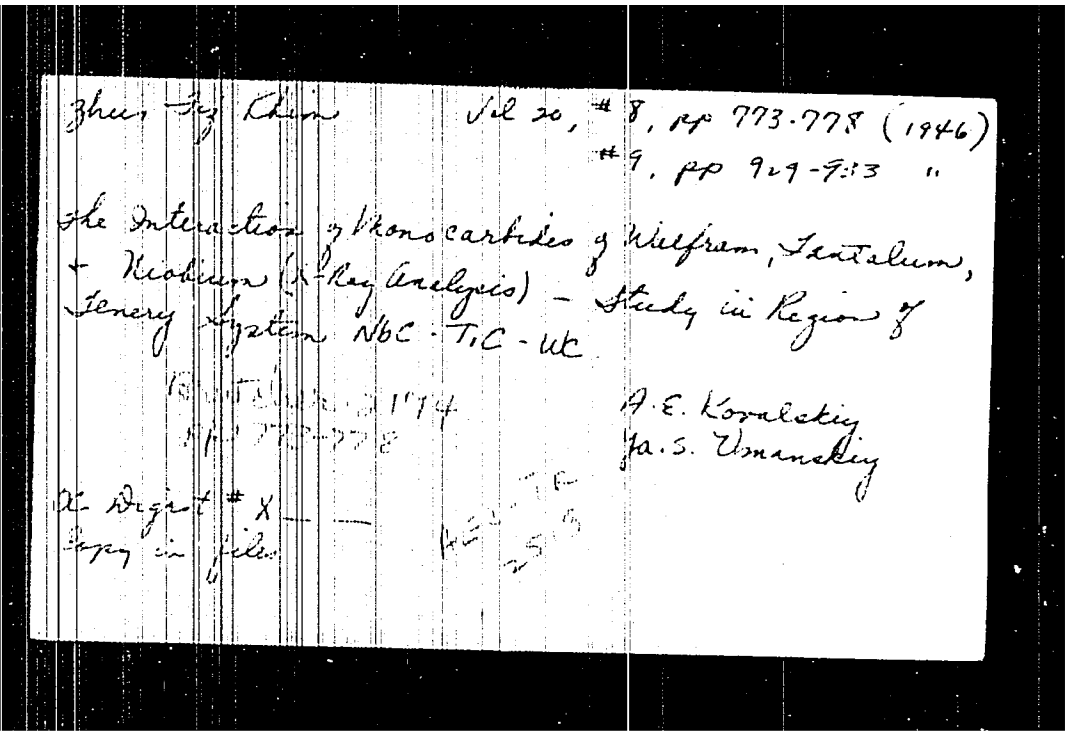

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A.E. Kovalskiy
Ya.S. Umanskiy

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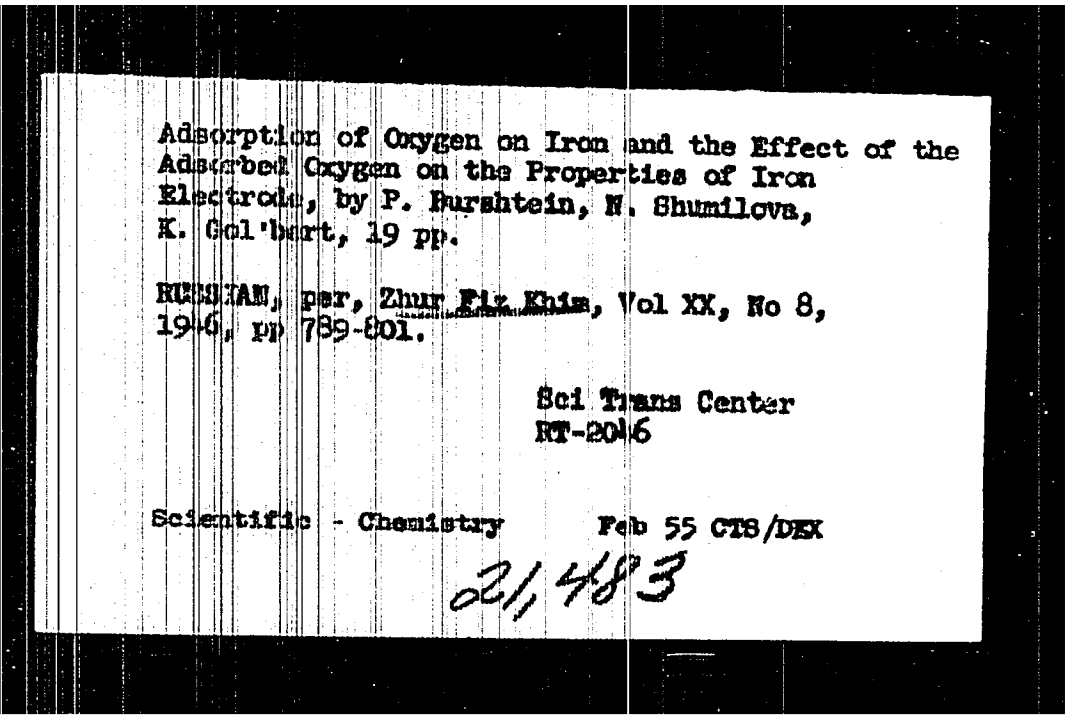

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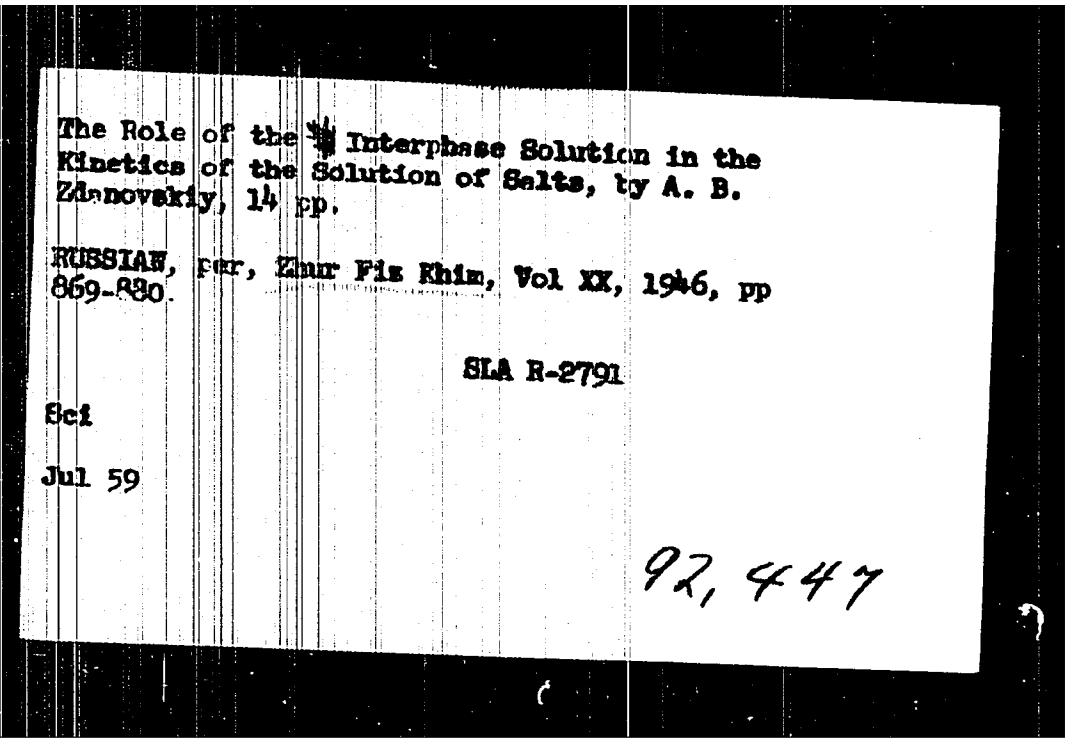

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SLA R-2791

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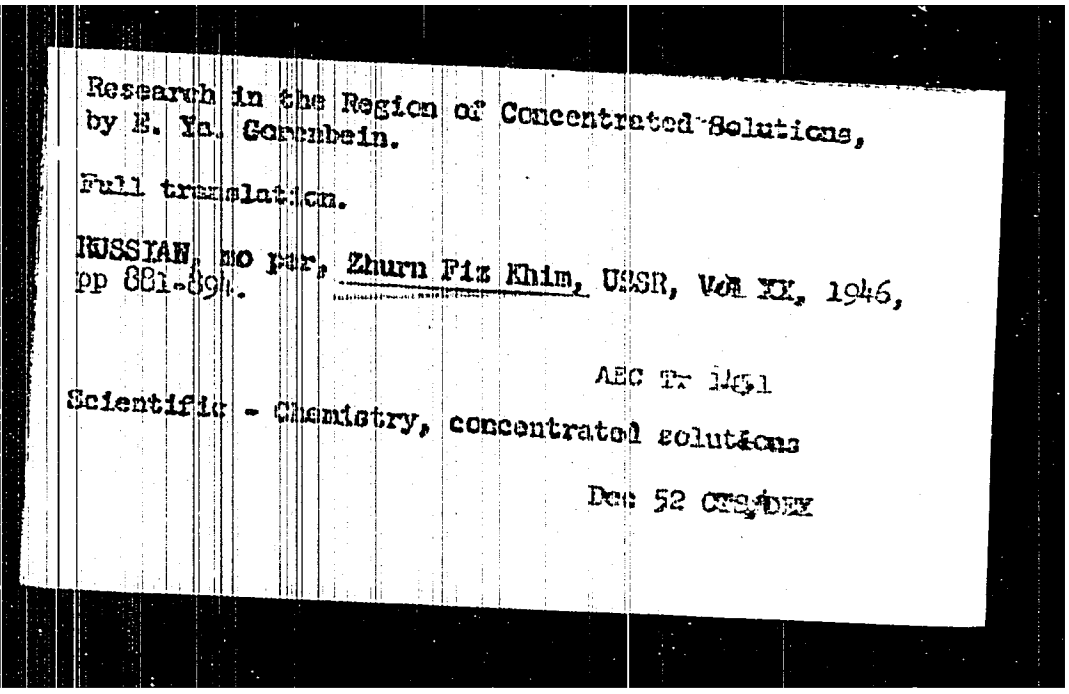

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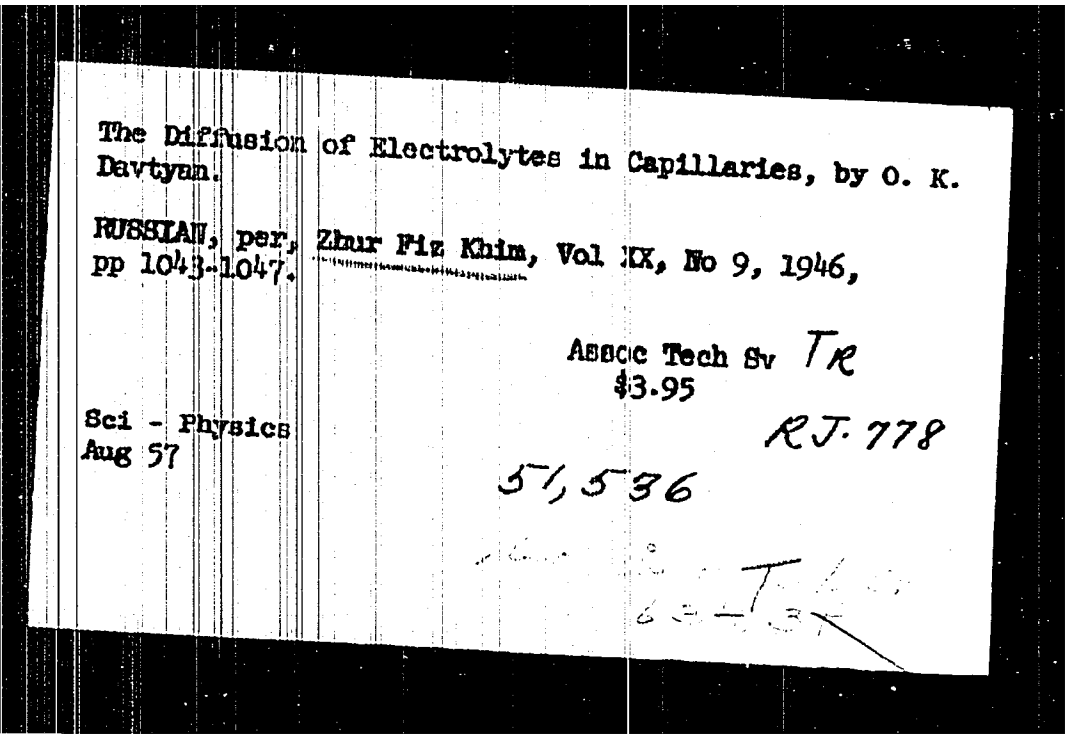

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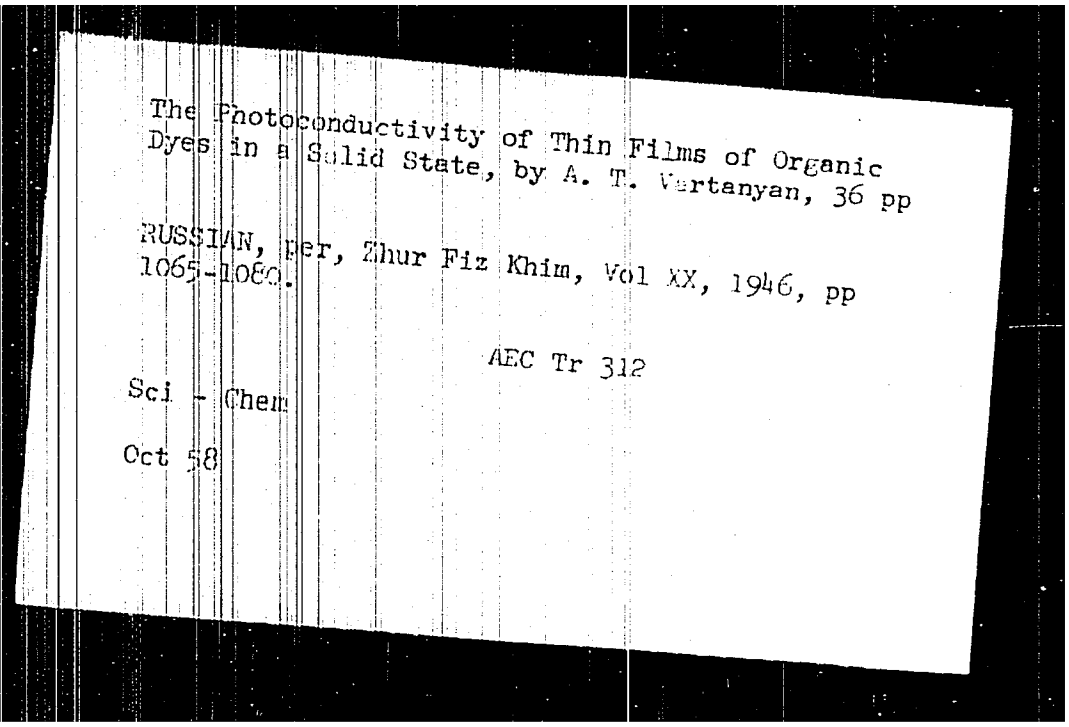

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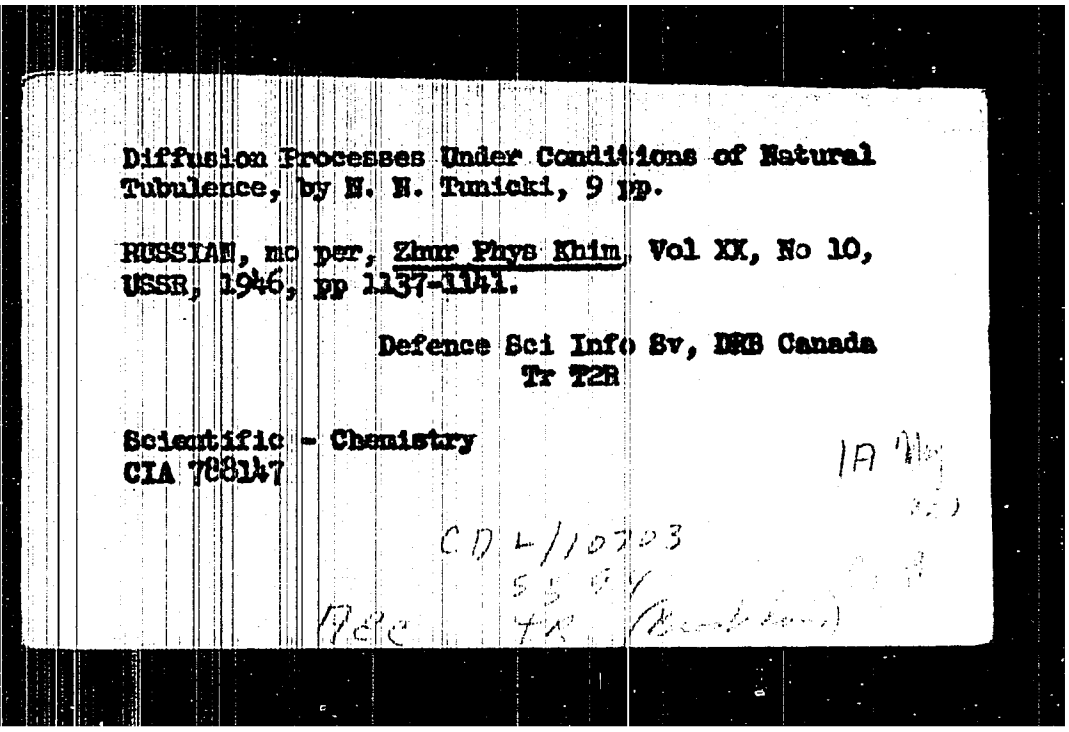

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CIA 70814?

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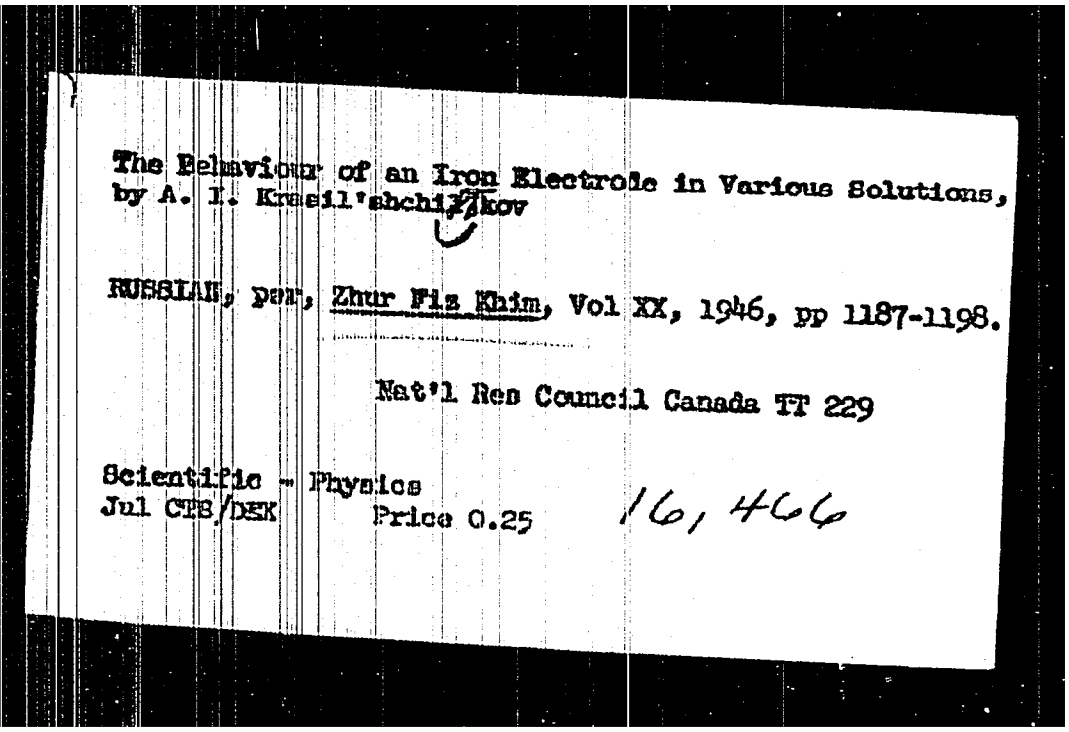

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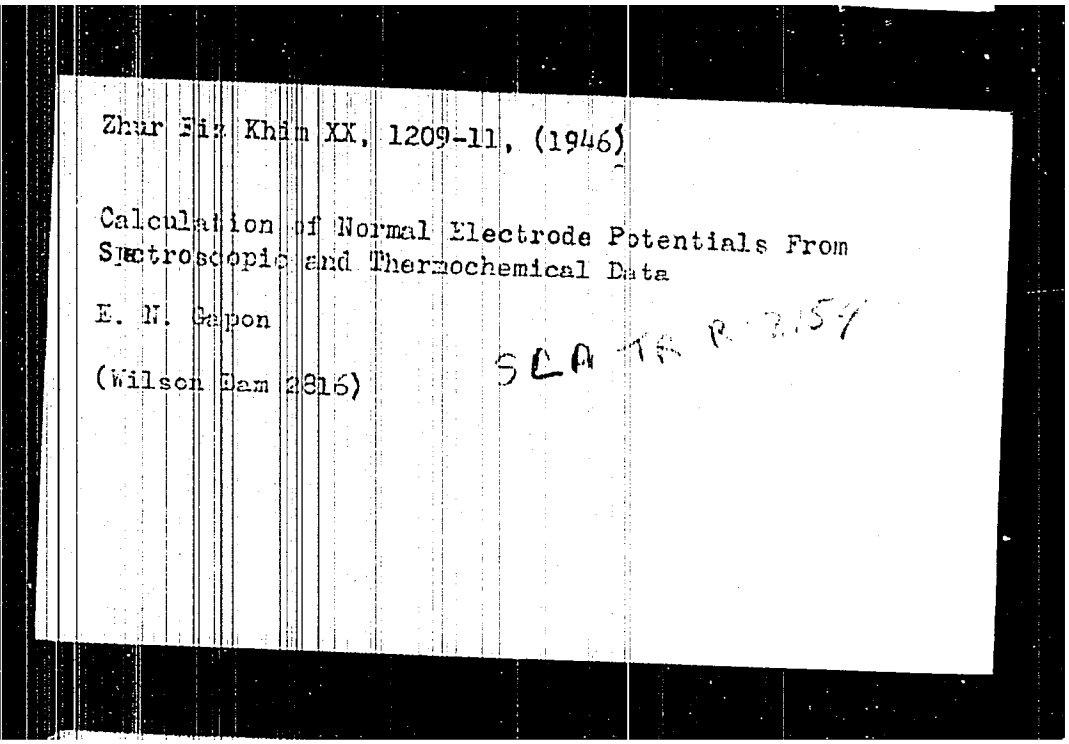

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E. N. Gapon

(Wilson Dam 2816)

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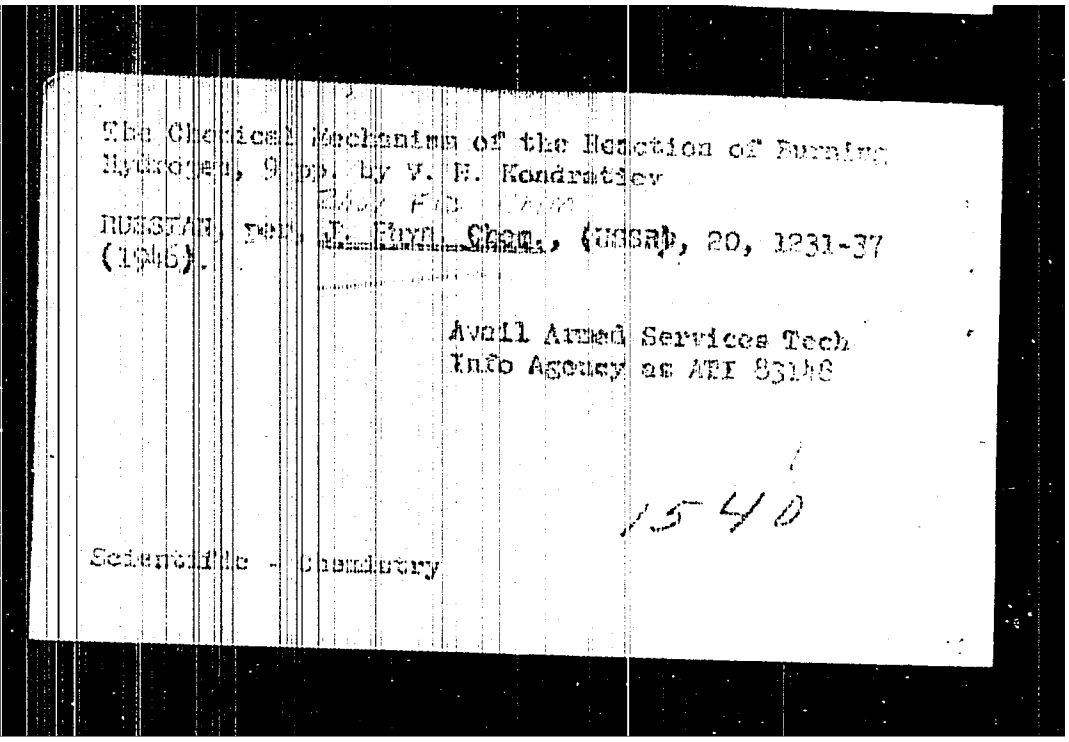

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CFSTI TT-64-19353.

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Trans. of Zhur[nal] Fizicheskoi Khimii (USSR) 1946, v. 20 [no. 11] p. 1325ff.

DESCRIPTORS: *Gases, *Chain reactions, Starting, Catalysts, Chemical reactions, Solids.

(Chemistry--Physical, TT, v. 6, no. 4)

61-23275

I. Bogoyavlenskaya, M. L.
II. Kovalskii, A. A.
III. DSIR LLU M.2602

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Avramenko, L. I., Gerber, M. I., Neiman, M. B., and Shushunov, V. A.
A KINETIC METHOD OF PHYSICO-CHEMICAL ANDLYSIS. I. KINETICS OF REACTION BETWEEN LEAD-SODIUM ALLOYS AND ETHYL CHLORIDE VAPORS. [1963] [30p] (3 figs. omitted) 15refs
Order from CTS or SLA $2.60 63-18238

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1946, v. 20, no. 11, p. 1347-1358.

DESCRIPTORS: *Reaction kinetics, *Lead alloys, *Sodium alloys, *Ethyl radicals, *Chlorides, Vapors, Catalysis

(Chemistry--Physical, TT, v. 10, no. 11)

63-18238

1. Title: Ethyl chlorides
2. Title: Tetraethyl lead
I. Avramenko, L. I.
II. Gerber, M. I.
III. Neiman, M. B.
IV. Shushunov, V. A.
V. Title: Kinetics...

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(NY-4842/5)

Combustion of Methyl Nitrate Vapors, by Ya. B. Zel'dovich, Yu. Kh. Shamlov, 13 pp.

RUSSIAN, Per, Zhur Fiz Khim, Vol XX, No 11, 1946, pp 1359-1362.

JPRS 7044

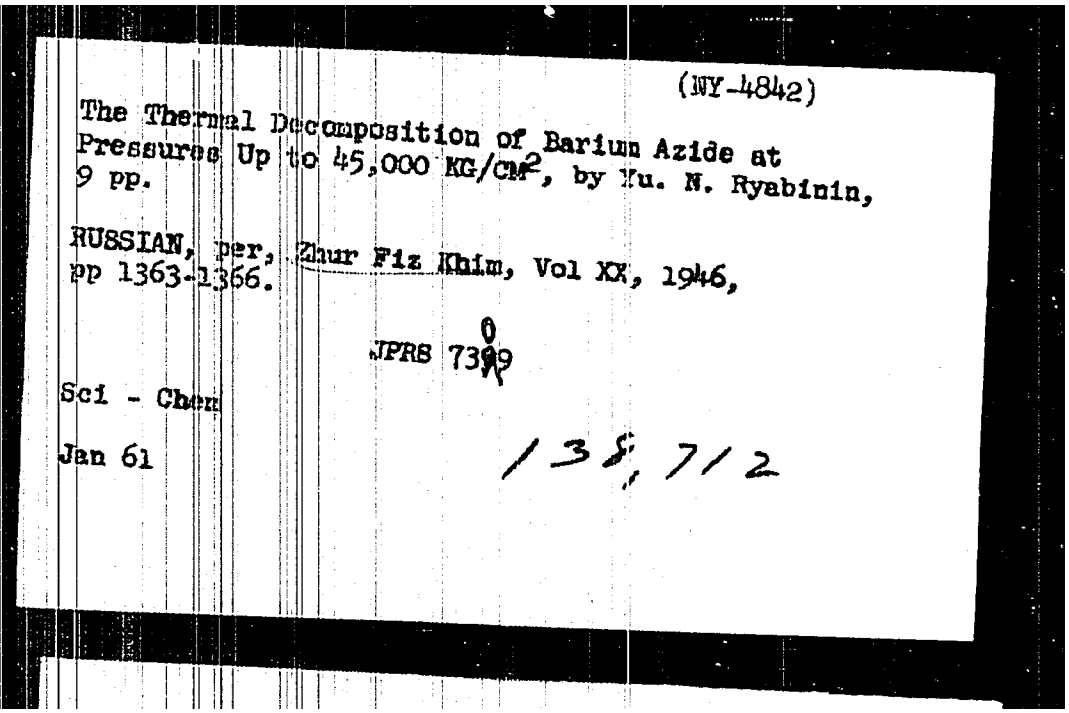
Sci - Chem

Dec 60

134,195

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



(NY-4842)

The Thermal Decomposition of Barium Azide at Pressures Up to 45,000 KG/CM^2, by Yu. N. Ryabinin, 9 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, 1946, pp 1363-1366.

JPRS 7399

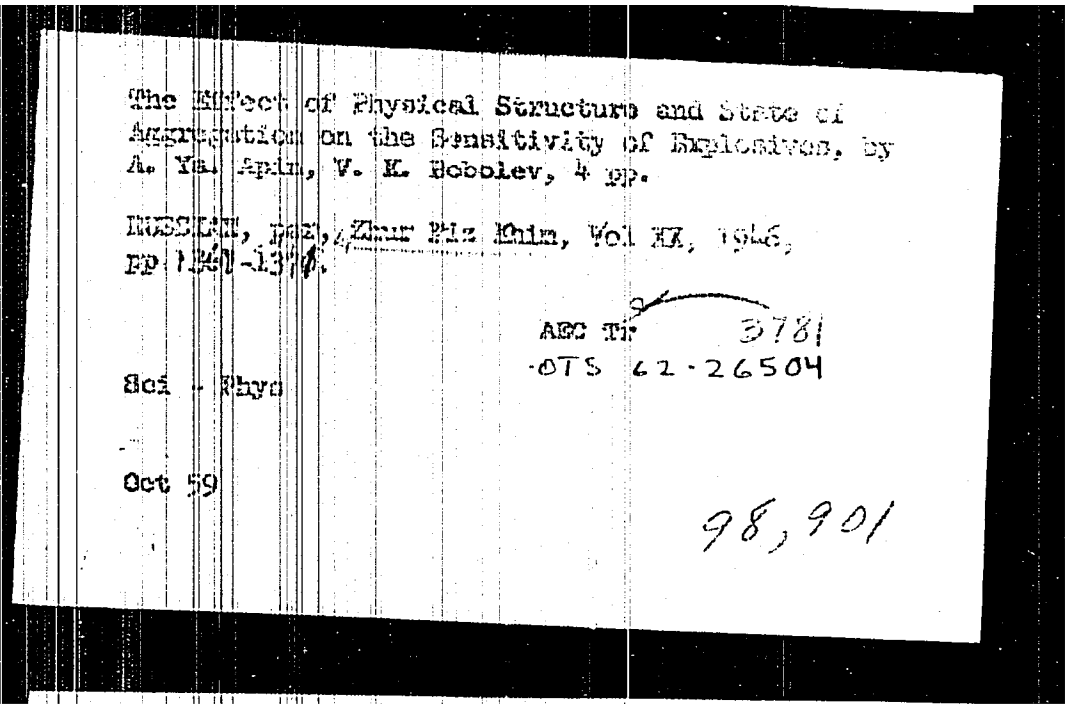
Sci - Chem

Jan 61

135, 712

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



The Effect of Physical Structure and State of Aggregation on the Sensitivity of Explosives, by A. Ya. Apin, V. K. Bobolev, 4 pp.

RUSSIAN, Zhur Fiz Khim, Vol XX, 1946, pp 1341-1344.

AEC Tr 3781
OTS 62-26504

Sci - Phys

Oct 59

98,901

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

(NY-4842).

On Methods of Evaluation of the Local Effect of an Explosion, by M. A. Sadovskiy, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 11, 1946, pp 1371-1375.

JPRS 7444

Sci - Phys, Chem
25 Jan 61

138,034

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

(NY-4842)

Investigations Into the Combustion of Mercury Fulminate, by A. F. Belyayev, A. E. Belyayeva, 29 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 11, 1946, pp 1381-1389.

JPRS 7513

Sci - Chem

Feb 61

139,382

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

(NY-4842)

The Heating Up of the Surface of Burning Powder, by Z. I. Arismova, O. I. Leipunskiy, 20 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 11, Jun 1946, pp 1391-1397.

JPRS 7512

Sci - Phys

Feb 61

139,378

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Pshezhetskii, S. Ya. and Rubinshtein, R. N.
HET VERLOOP VAN HETEROGENE KATALYTISCHE REACTIES IN EEN STROMEND MEDIUM.
I. ALGEMENE VERGELIJKINGEN. TEGEN WARMTE GEISOLEERD SYSTEEM (Progress of Heterogeneous Catalytic Reactions in a Stream. I. General Equations. A Heat-insulated System). tr. by G. J. M. Fritschy. 22p. 11 refs. MTWL: 38. (text in Dutch).
Order from OTS or ETC $1.87 61-17672

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1946, v. 20, p. 1421-1434.

DESCRIPTORS: *Catalysis, Fluid flow, *Diffusion, Heat, Separation, Theory.

61-17672

I. Pshezhetskii, S. Ya.
II. Rubinshtein, R. N.
III. MTWL-38
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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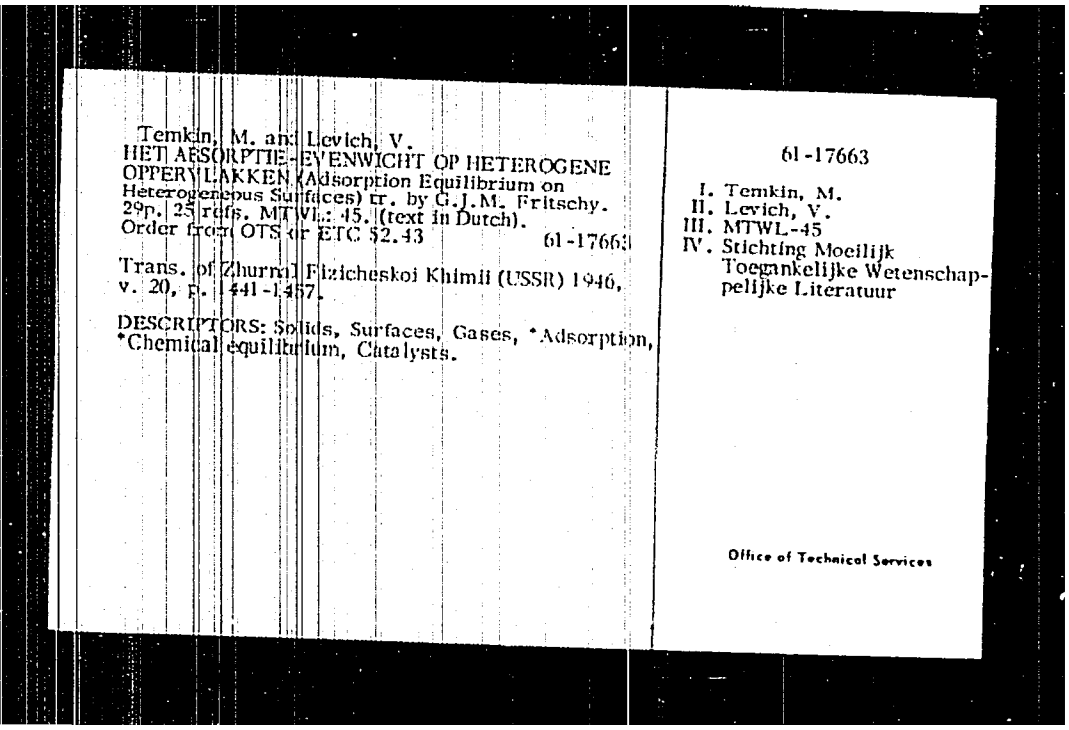


Temkin, M. and Levich, V.
HET ADSORPTIE-EVENWICHT OP HETEROGENE OPPERVLAKKEN (Adsorption Equilibrium on Heterogeneous Surfaces) tr. by G.J.M. Fritschy. 29p. 25 refs. MTWL: 45. (text in Dutch).
Order from OTS or ETC $2.43 61-17663

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1946, v. 20, p. 1441-1457.

DESCRIPTORS: Solids, Surfaces, Gases, *Adsorption, *Chemical equilibrium, Catalysts.

61-17663

I. Temkin, M.
II. Levich, V.
III. MTWL-45
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Investigation of the Solid Solutions of Copper and Magnesium in Aluminium, by D. A. Petrov, G. S. Berg. UNCL

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 12, 1946, pp 1475-1485.

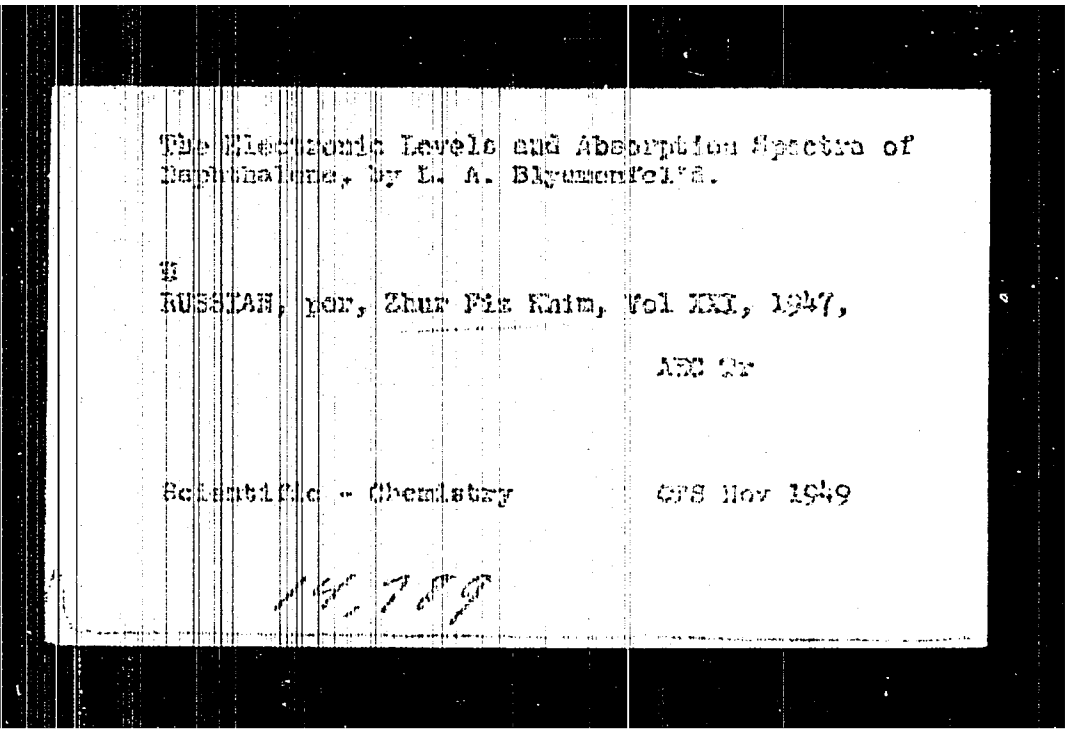
DSIR LLU (loan) M. 232

Sci - Min/Met
May 59

87,893

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



The Electronic Levels and Absorption Spectra of Naphthalene, by L. A. Blyumenfel'd.

U
RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947,

AEC Gr

Scientific - Chemistry OTS Nov 1949

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

On Some Properties of Vanadium Nitride Crystals,
by V. A. Epel'baum, B. F. Ormont, 16 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 3-10.
921534

AEC-Tr-5805

Sci - Phys

Aug 63

341,338

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Pospekhov, D. A.
STABILITY OF METAL CARBONYLS. [1963] 7p.
(refs. omitted)
Order from OTS or SLA $1.10 63-16807

Trans. in manuscript of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1947, v. 21 [no. 1] p. 11-13.
Another trans. is available in Dutch from OTS or ETC $1.55 as 61-17756, MTWL-91, 6p.

DESCRIPTORS: *Metallic compounds, *Carbonyl radicals, Stability, Copper compounds, Chemical bonds.

(Chemistry--Physical, TT, v. 10, no. 8)

63-16807

I. Pospekhov, D. A.

Wilson Dam
2618

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Investigation of the Ionо-organic Catalysis by the Method of the Theory of Active Ensembles. II. Catalytic Polymerization of Acetylene to Vinyl Derivatives, by E. M. Martinson, N. I. Kobozev, 20 pp.

RUSSIAN, per. Zhur.Fiz.Khimii, Vol XXI, No 1, 1947, pp 85-96.

Sci Tr Center RT-2452

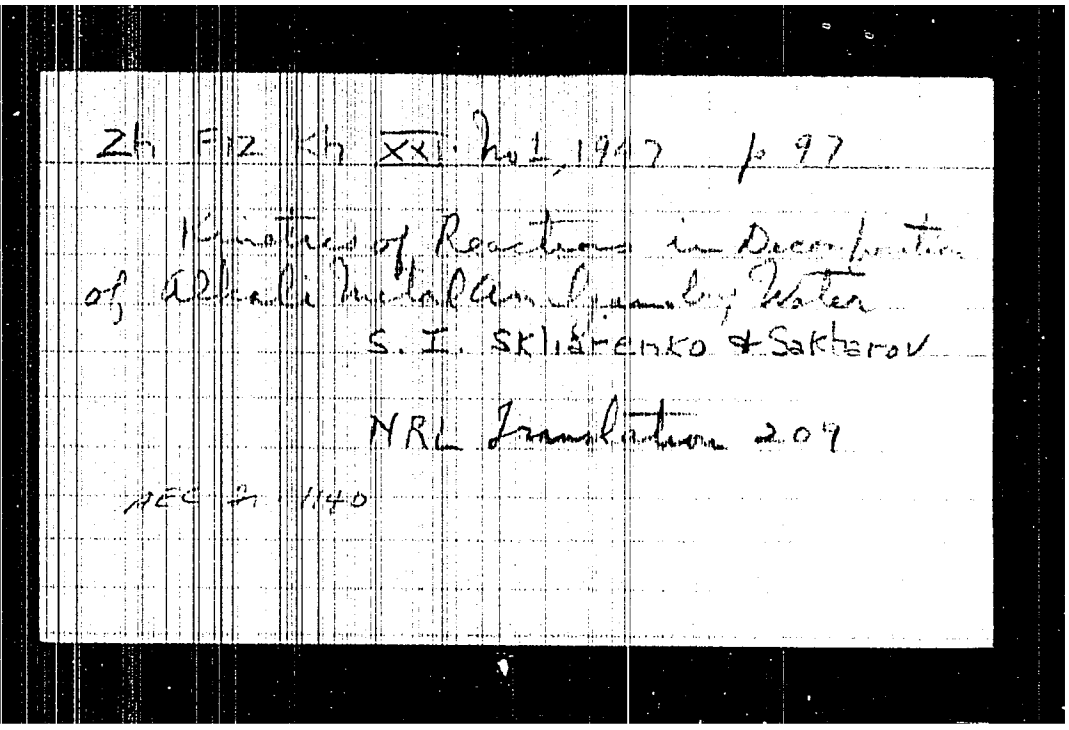
USSR
Scientific - Chemistry

38,270

Nov 55
CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



Zh Fiz Kh XVI: No 1, 1947 p 97

Kinetics of Reactions in Decomposition of Alkali Metal Amalgams by Water

S. I. Sklyarenko & Sakharov

NRL Translation 209

DEC 2 1940

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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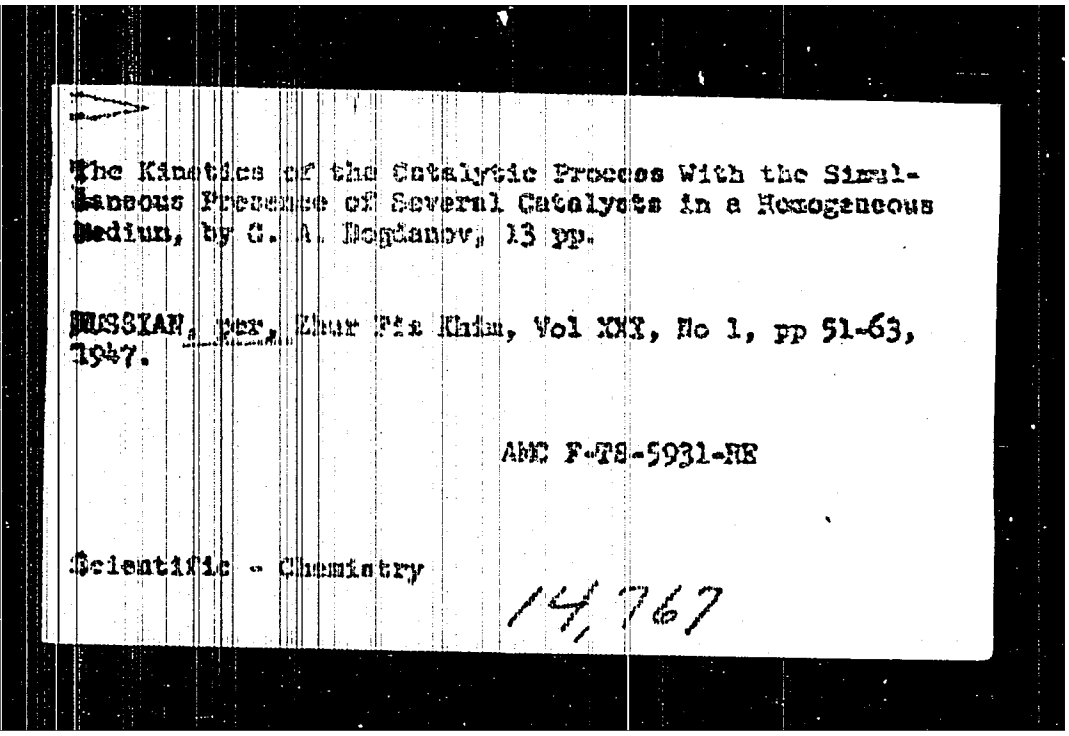


"The Kinetics of the Catalytic Process With the Simultaneous Presence of Several Catalysts in a Homogeneous Medium, by G. A. Bogdanov, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 1, pp 51-63, 1947.

AMC F-TS-5931-RE

Scientific - Chemistry

14,767

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Equilibrium in the System $KCl-NH_4H_2PO_4-H_2O$ between 11.2° and 35.0°, by V. A. Polosin, M. I. Shakharonov, 6 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 119-123.

SLA/R-2631

Sci
Apr 59

84, 892

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Zhur Fiz Khim, XXI, 197-200 (1947)

The Solubility of Potassium Hexafluorosilicate

I. G. Ryss (Dept Gen Chem, Dnepropetrovsk Metallurgical Inst)

(Wilson Dam 2545)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Mechanism of the Inhibitor Action on Solution of Iron in Acids, by V. A. Kuznetsov, Z. A. Iofa. RUSSIAN, per, Zh. Fiz. Khim., Vol 21, No 2, 1947, pp. 201-214.
CRL/D 809

sci-mat
Aug 69

390,180

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Inorganic Perioxides; Chapter XI, Upper Potassium Oxides, by I. A. Kazarnovskiy, S. I. Raikhshtein, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 3, 1947, pp 245-255. 90806&4

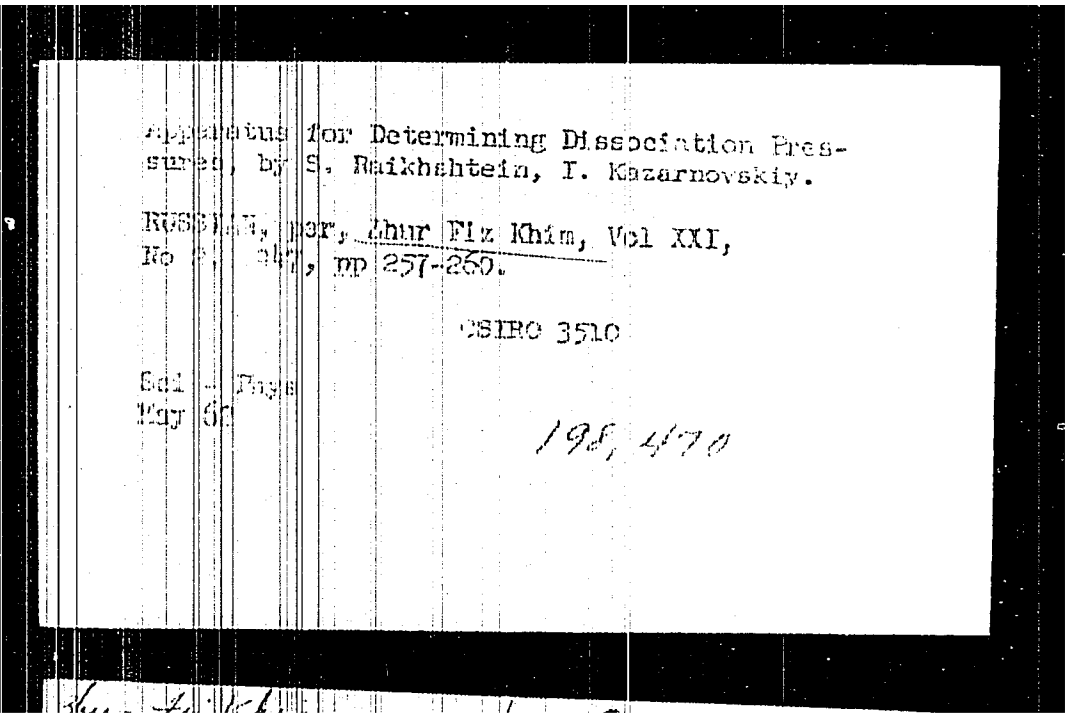
AEC Tr-4758

167,842

Sci
Sep 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



Apparatus for Determining Dissociation Pressures, by S. Raikhshtein, I. Kazarnovskiy.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No [illegible], 1947, pp 257-260.

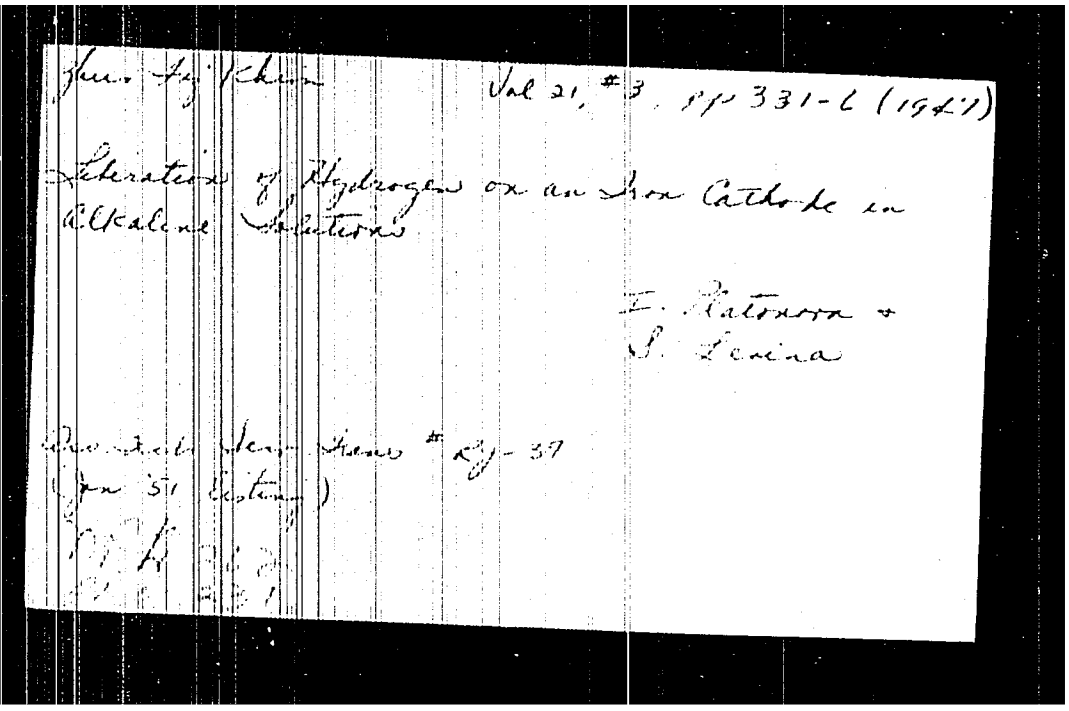
OSIRO 3510

Sol - Phys
Thr 60

195,470

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



Jour. Sig. Tech. Vol 21, # 3, pp 331-6 (1947)

Alteration of Hydrogen on an Iron Cathode in Alkaline Solutions

E. Katz +
S. Lanina

Quarterly Progress Report # 37-39
(Jan 51 Contract)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Type I and Type 2 Polarographic Maxima, by T. A. Kryukova.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 21, 1947, pp 365-375.
NLL RTS 3714

Sci-Chem
Nov 67

345.319

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Telkis, D. S.
HETEROGENEOUS EQUILIBRIA IN BINARY SYSTEMS: ETHYLENE-CARBON DIOXIDE AND ETHYLENE-NITROGEN SYSTEMS, tr. by J. H. Gallant. 27 Dec 60 [9]p. 11 refs. ARGMA Trans. Nr. 114-60.
Order from OTS or SLA $1.10 61-15356

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1947, v. 21, no. 3 [p. 355-359].

DESCRIPTORS: *Ethylenes, *Carbon dioxide, *Nitrogen, Chemical equilibrium.

The ethylene-nitrogen and ethylene-carbon dioxide systems were studied at 0° and up to 7000 kg/cm^2. The ethylene-nitrogen system remained homogeneous throughout the whole temperature and pressure range. The ethylene-carbon dioxide system has a crystal-liquid equilibrium. The volatilities and molar volumes of liquid ethylene were calculated up to 7000 atm. An
(Chemistry--Physical, TT, v. 6, no. 6) (over)

61-15356

I. Telkis, D. S.
II. ARGMA Trans-114-60
III. Army Rocket and Guided Missile Agency, Redstone Arsenal, Ala.

176614

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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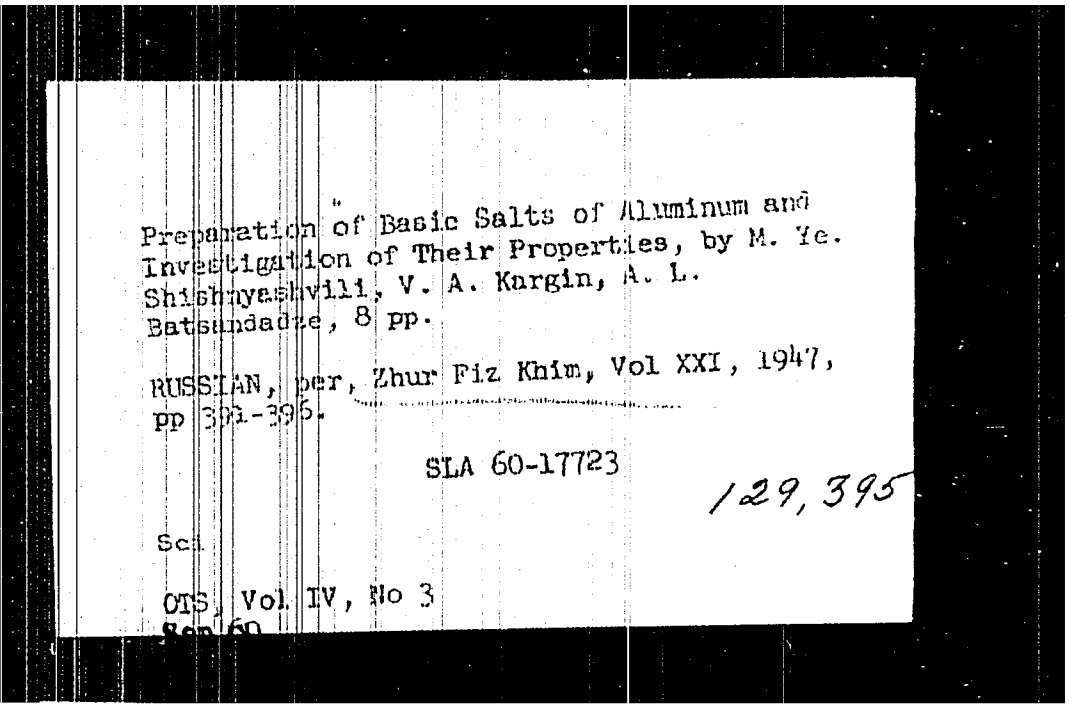

Preparation of Basic Salts of Aluminum and Investigation of Their Properties, by M. Ye. Shishniashvili, V. A. Kargin, A. L. Batsundadze, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 391-396.

SLA 60-17723

129,395

Sci

OTS, Vol IV, No 3
Sep 60

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Surface Tension and Crystallization Surface Tension of Solutions of Molten Salts, Parts I, II, III., by V. K. Semenchenko, I. P. Shikhobalova, 56 pp.

RUSSIAN, Paper, Zhur Fiz Khim, Vol XXI, 1947, pp 612-622; 707-714; 1387-1401,

25,455

AEC Tr 2177

Scientific - Chemistry, Physics Jul 55 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Crystalline Structure of Cyanides, IV. X-Ray Diffraction Studies of Elementary Cells and Space Group of $K_4Ru(CN)_6.3H_2$) (Potassium Hexacyanotriaquoruthenate) and $K_4Fe(CN)_6.3H_2O$ (Monoclinic Type) Crystals by V. A. Pospelov and G. S. Zhdanov, 10 pp.

RUSSIAN, per, Zhur Fiz. Khim., 1947, No 21, pp 405-410.

AEC-tr-5902

Chem
Sci - Phys
Oct 63

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Breger, A. Kh. and Zhukhovitskii, A. A.
OVER EEN MOGELIJK MECHANISME VAN DE WISSEL WERKING TUSSEN GEADSORBEERDE ATOMEN
(A Possible Mechanism of Interaction Between Adsorbed Atoms) tr. by C. J. M. Fritschy. 11p. 5 refs.
MTWL: 52 (text in Dutch).
Order from OTS or ETC $1.55 61-17650

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1947, v. 21, p. 423-430.

DESCRIPTORS: Atoms, *Adsorption, Chemical reactions, *Catalysts, Surfaces.

61-17650

I. Breger, A. Kh.
II. Zhukhovitskii, A. A.
III. MTWL-52
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

The Thermodynamics of Solubility in Ternary, Aqueous Salts Systems Temperature Coefficients of Solubility, by N. K. Voskresenskaya G. N. Yankovskaya, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 749-758.

SLA R-3006

Sci

Jul 59

92, 445

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

178/60 (SF-1054)

Active Centers in an Acetylene Flame, by Ye. Kondrat'yeva, V. Kondrat'yev, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 7, 1947, pp 761-768.

JPRS 4078

Sci - Chem

Oct 60

128,015

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

ZHUR FIZ KHIM Vol XXI, No 6 Jun 1947

16 pp

"The System Iron-Nitrogen at High Pressures"

I. R. Krichevskiy, N. E. Khazanova

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copy in files

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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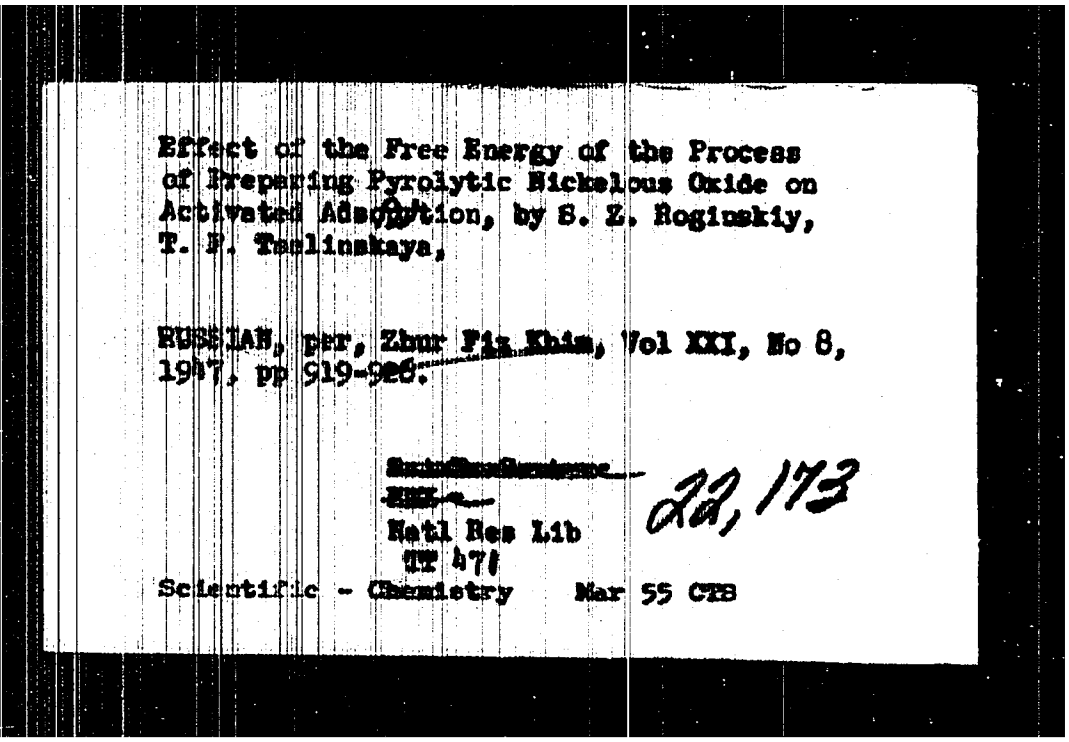

Effect of the Free Energy of the Process of Preparing Pyrolytic Nickelous Oxide on Activated Adsorption, by S. Z. Roginskiy, T. P. Tsalinskaya,

RUSSIAN, pvr, Zhur Fiz Khim, Vol XXI, No 8, 1947, pp 919-926.

22,173

Natl Res Lib
TP 471

Scientific - Chemistry Mar 55 CTB

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

On the Kinetics of the Syntesis and Dissociation of Ammonia on Various Catalysts, by M. Temkin, S. Kiperman, 39 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXI, 1947, pp 927-952.

SLA Tr R-762

52,916

Sci - Physics
Sep 57

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Veselovskii, V. I.
APPLICATION OF THE PHOTOELECTROCHEMICAL METHOD TO THE STUDY OF HETEROGENEOUS PHOTOSENSITIZERS OF THE ZINC OXIDE TYPE (Primenenie Svetoelektrokhimicheskogo Metoda k Issledovannyu Getrogennykh Fotosensi'illzatorov Tipa ZnO). [1962] [10]p. (foreign text included) 6 refs.
Order from OTS or SLA $1.10 62-16107

Partial trans. (excerpts) of Zhurnal Fizicheskoi Khimii (USSR) 1947, v. 21, no. 8, p. 983-985.

DESCRIPTORS: *Zinc compounds, *Oxides, *Photosensitivity, Photochemistry, *Electrochemistry, Photoelectric effect, Absorption spectra.

CT-2178

(Chemistry--Physical, TT, v. 8, no. 5)

62-16107

I. Veselovskii, V. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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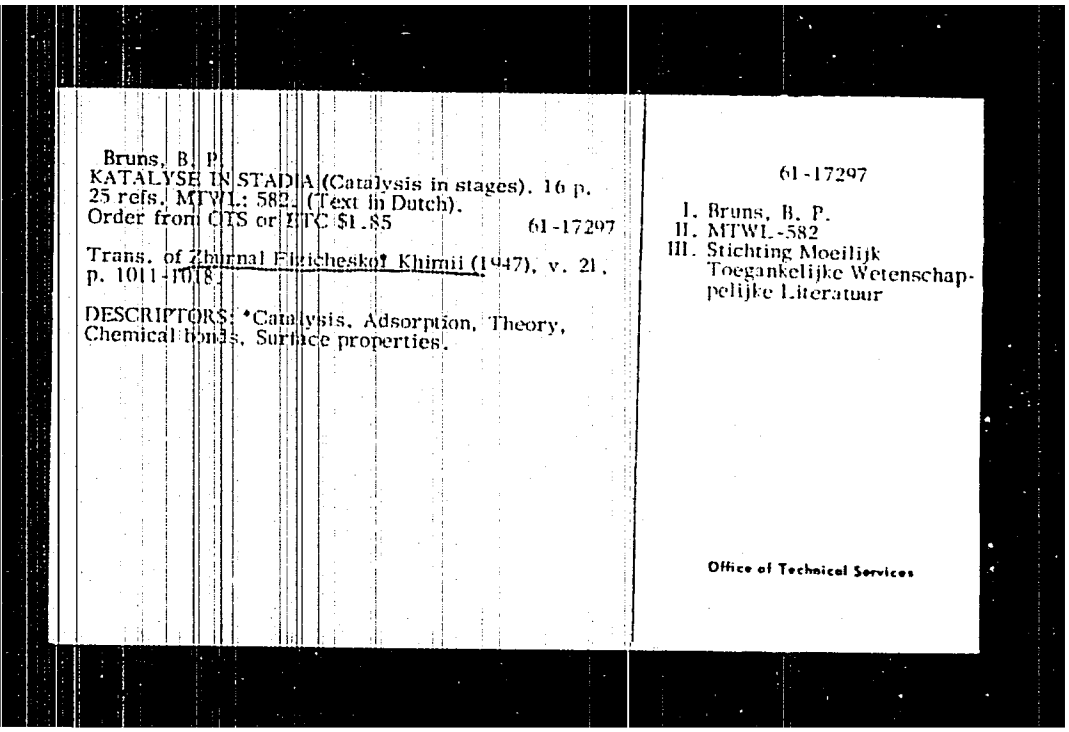


Bruns, B. P.
KATALYSE IN STADIA (Catalysis in stages). 16 p.
25 refs. MTWL: 582. (Text in Dutch).
Order from: CTS or ITC $1.85 61-17297

Trans. of Zhurnal Fizicheskoĭ Khimii (1947), v. 21, p. 1011-1018.

DESCRIPTORS: *Catalysis, Adsorption, Theory, Chemical bonds, Surface properties.

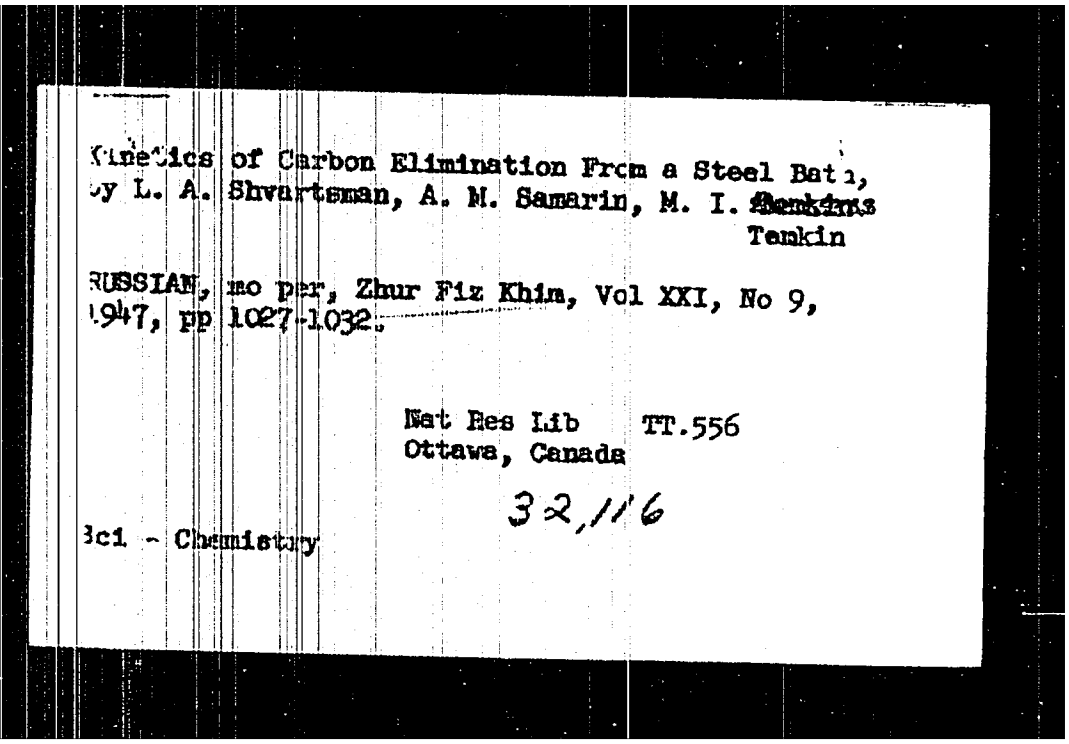
61-17297

I. Bruns, B. P.
II. MTWL-582
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5



Kinetics of Carbon Elimination From a Steel Bath,
by L. A. Shvartsman, A. M. Samarin, M. I. Temkin

RUSSIAN, no per, Zhur Fiz Khim, Vol XXI, No 9,
1947, pp 1027-1032.

Nat Res Lib TT.556
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3c1 - Chemistry

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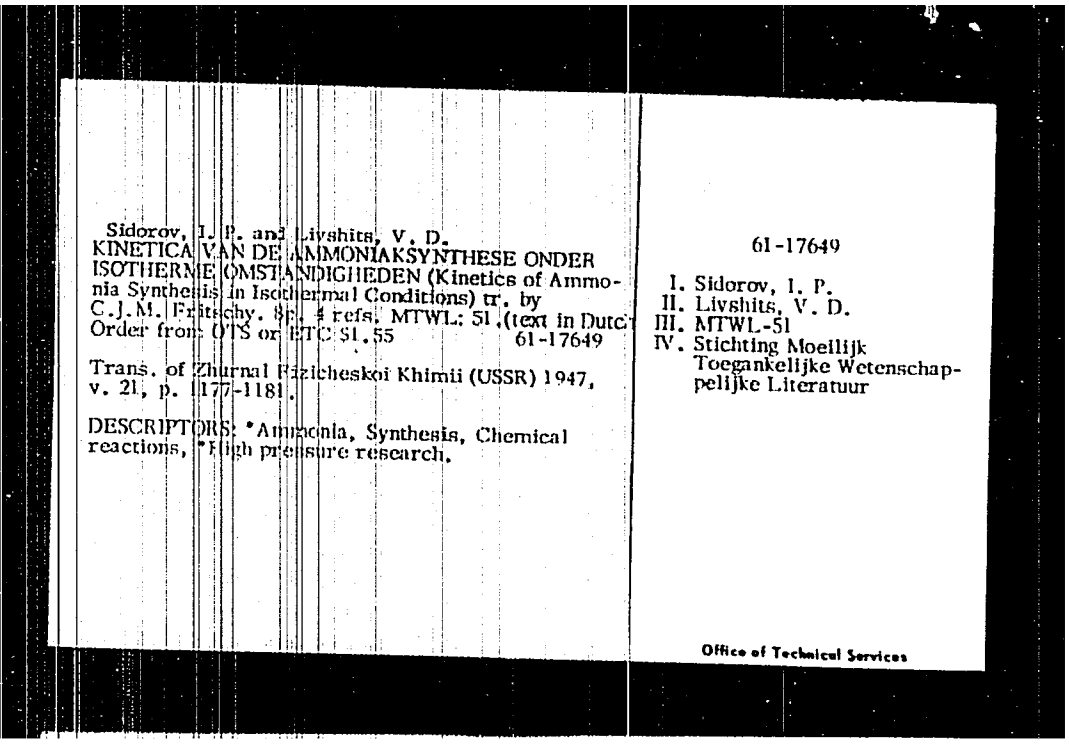

Sidorov, I. P. and Livshits, V. D.
KINETICA VAN DE AMMONIAKSYNTHESE ONDER ISOTHERME OMSTANDIGHEDEN (Kinetics of Ammonia Synthesis in Isothermal Conditions) tr. by C.J.M. Fritschy. 8p. 4 refs. MTWL: 51.(text in Dutch)
Order from: OTS or ETC $1.55 61-17649

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1947, v. 21, p. 1177-1181.

DESCRIPTORS: *Ammonia, Synthesis, Chemical reactions, *High pressure research.

61-17649

I. Sidorov, I. P.
II. Livshits, V. D.
III. MTWL-51
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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Effect of Surface-Active Substances on Movement at the Boundary Between Liquid Media, by A. Frumkin, V. Levich, 25 p.

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ATS-911.34R

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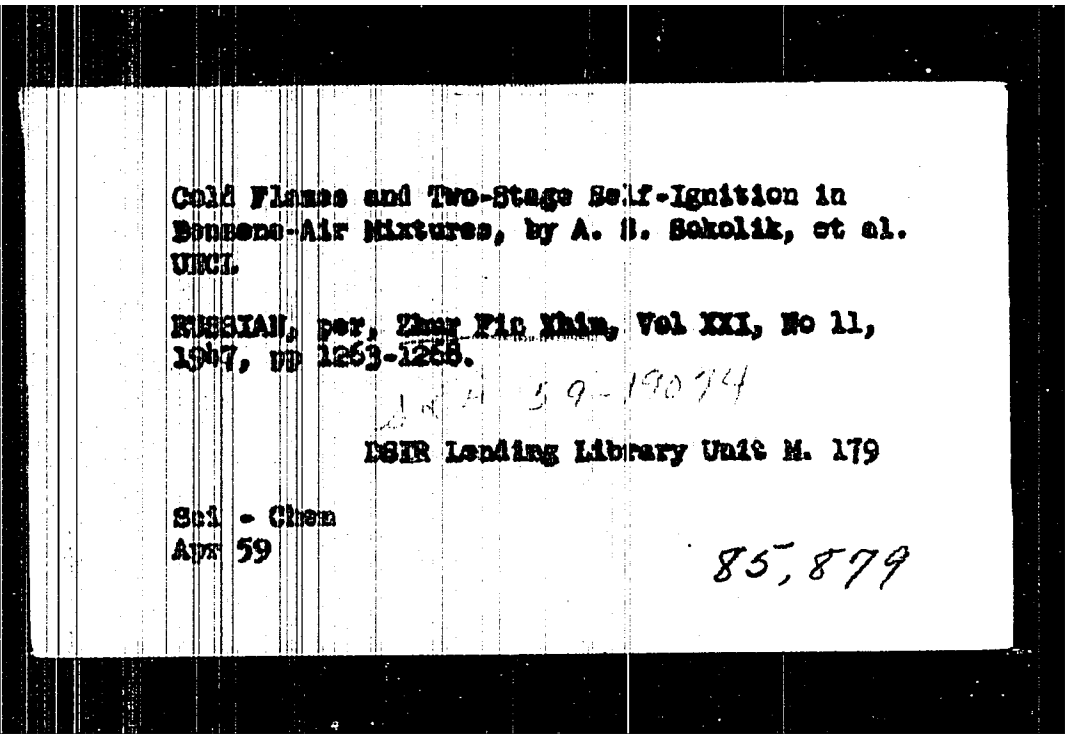

Cold Flames and Two-Stage Self-Ignition in Benzene-Air Mixtures, by A. B. Sokolik, et al. UNCL.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 11, 1947, pp 1263-1268.

AFA 59-19074

DSIR Lending Library Unit M. 179

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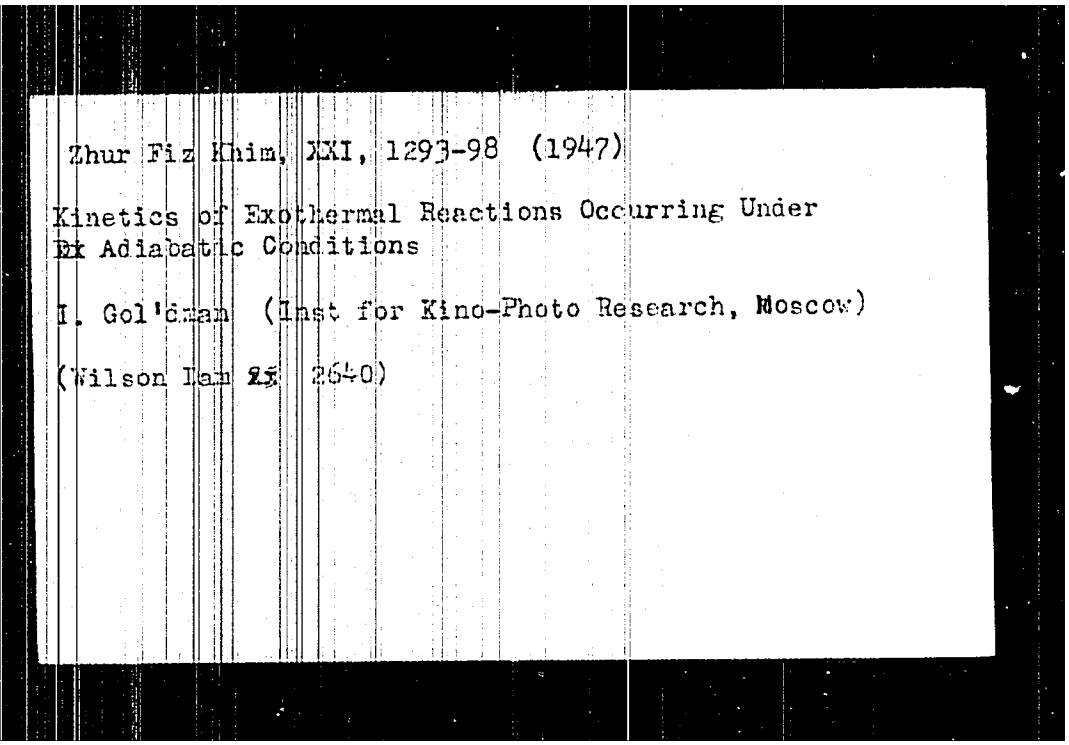

Zhur Fiz Khim, XXI, 1293-98 (1947)

Kinetics of Exothermal Reactions Occurring Under Ex Adiabatic Conditions

I. Gol'dman (Inst for Kino-Photo Research, Moscow)

(Wilson Lam 25 2640)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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Zh Fiz Khim Vol 21, page 1303-6 (1947)

Surface Conductivity of Solid Dielectrics
by N. Chirkov

AEC Trans (avail. Brookhaven) AT-1936

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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13 218 Ca-1

VOL'KENSHTEIN F. F.

The electronic levels of atoms adsorbed on the surface of a crystal. I.

Zhur. Fiz. Khim., 21, No. 11, 1317-1334 (1947)

TT 167 - English

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AEC TR-367

OTS 60-13126

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13 206 Ca-1

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On the interactions between adsorbed molecules in connection with the theory of adsorption of heterogeneous surfaces

Zhur. Fiz. Khim., 21, No. 2, 163-178 (1947)

TT 120 - English

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AEC TR 214

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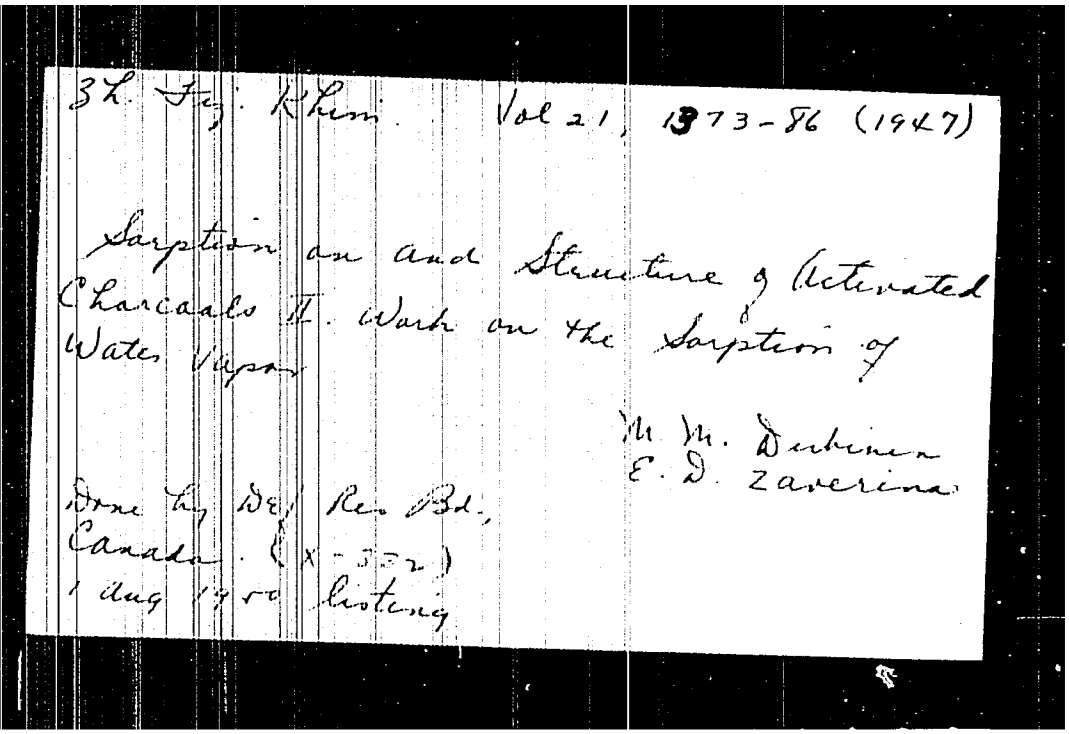

Zh. Fiz. Khim. Vol 21, 873-86 (1947)

Sorption and Structure of Activated Charcoals II. Work on the Sorption of Water Vapors

M. M. Dubinin
E. D. Zaverina

Done by DSIR Rec. Bd., Canada. (X-552)
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The Kinetics of Ammonia Synthesis of Ruthenium,
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RUSSIAN, per, Zhur Fiz. Khimii, Vol 21, No 12,
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AEC IB Tr-66

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Second Order Phase Transitions and Critical Phenomena, by V. K. Semenchenko

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 1461-1469.

Nat'l Res Council Canada TT 108

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Scientific - Physics

Jul CRR/DEK Price 0.25

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Polarization of the Inner Surface of a Tube, by
O. S. Ksenzhek, V. V. Stender, 23 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, 1947, pp 117-127.

AEC-tr-5820

Sci - Phys

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Polarization in the Polarography of Nickel and Cobalt Pyridine Complexes, by M. I. Tur'yan and G. F. Serova.
RUSSIAN. per. Zhur. fiz. Khim., Vol 31, 1957, pp 1976-1982.
NLL RTS 3675

Sci-Chem
Nov 57

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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II. Approximated Calculation of Vibration Frequencies of Alcohols, Ethers, and Amines, by N. M. Gopshtein, 12 pp.

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Frequency Calculation and the Interpretation of Vibrational Spectra of Polyatomic Molecules. II. Dimethyl Ether, Mercaptan, by S. I. Ryskina, 8 pp.

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Sci Trans Center RT-407
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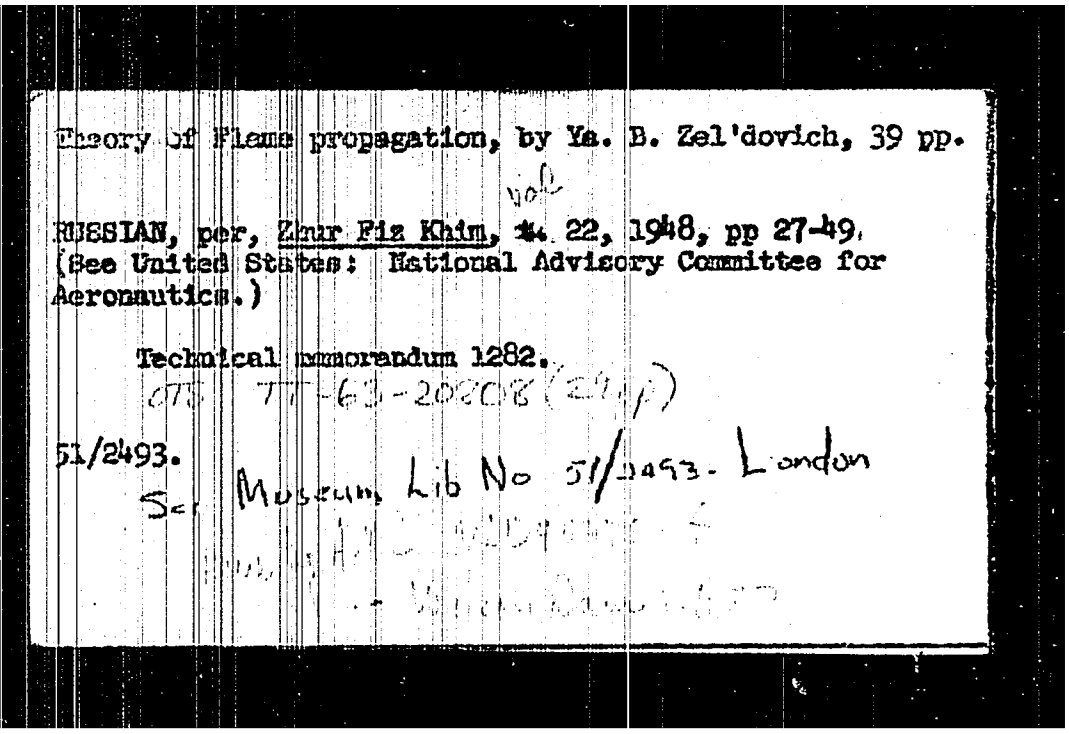

Theory of Flame propagation, by Ya. B. Zel'dovich, 39 pp.

RUSSIAN, per, Zhur Fiz Khim, No. 22, 1948, pp 27-49.
(See United States: National Advisory Committee for Aeronautics.)

Technical memorandum 1282.
OTS TT-63-20208 (27 p)

51/2493.
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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Zel'dovich, Ya.B.
BIJDRAGE TOT DE THEORIE VAN DE VOORTPLANTING VAN FLAMMEN (Theory of propagation of flames). tr. by G.J.M. Fritchy. 30 p. 16 refs.
MTWL: 467 (Text in Dutch).
Order from OTS or ETC $2.45 61-17032

Trans. of Zhurnal Fizicheskof Khimii (USSR) 1948, v. 22, p. 27-48.

DESCRIPTORS: *Flame propagation, Theory.

61-17032

I. Zel'dovich, Ya.B.
II. MTWL-467
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur.

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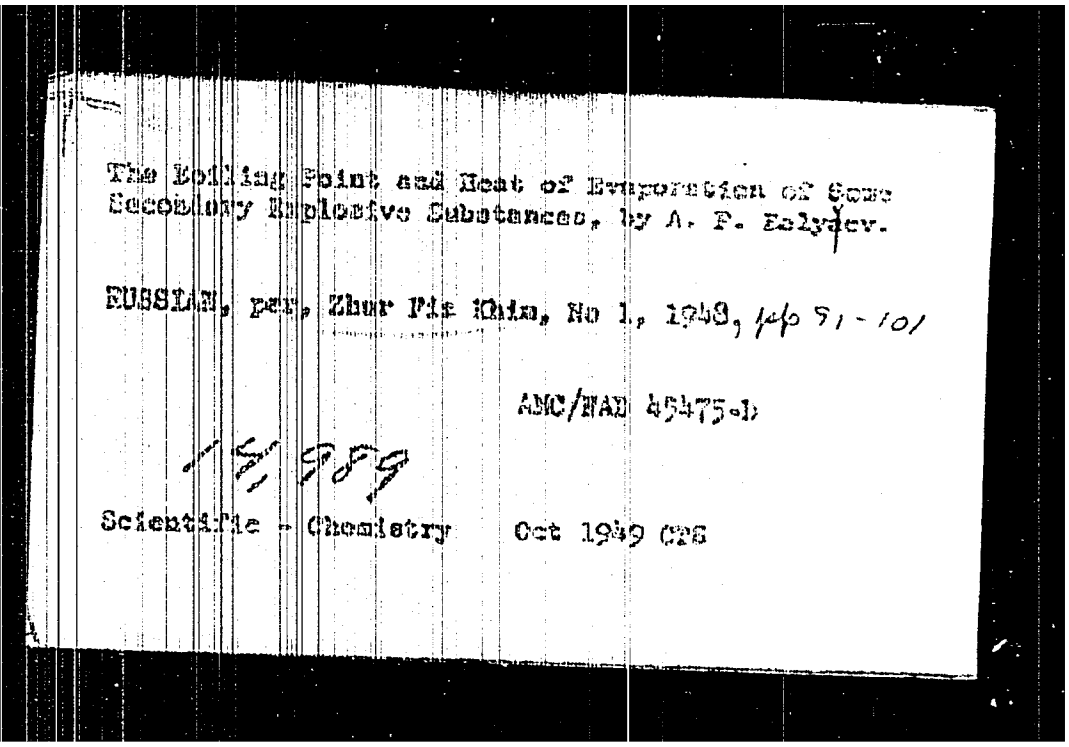

The Boiling Point and Heat of Evaporation of Some Secondary Explosive Substances, by A. F. Belyaev.

RUSSIAN, per, Zhur Fiz Khim, No 1, 1948, pp 91-101

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Scientific - Chemistry Oct 1949 026

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ZHUR FIZ KHIM Vol XXII, No 2 Feb 1948

"The Valence States of the Carbon Atom" 2 1/4 pp

M. A. Kovner

Available a) Brookhaven
AEC tr - 229
July 1950

64:T18

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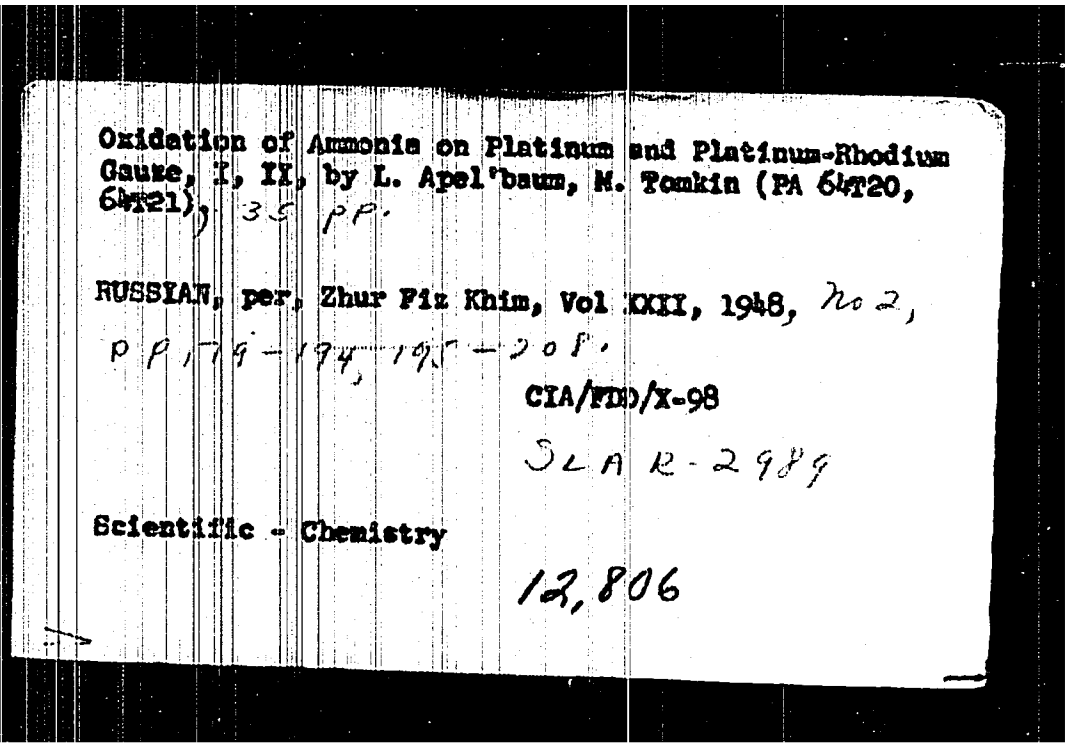

Oxidation of Ammonia on Platinum and Platinum-Rhodium Gauze, I, II, by L. Apel'baum, M. Tomkin (PA 64T20, 64T21), 35 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, 1948, No 2, pp 179-194, 195-208.

CIA/FDD/X-98

SLA R-2989

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ZHUR FIZ KHIM Vol XXII, No 2 Feb 1948

4b22-231

"Electrochemical Investigation of the Processes of Corrosion of Metals in Solutions of Ethylene-Glycol" 11pp.

N. D. Tomashov, M. A. Timonova

Done by AMC
NAD 44774-D
copy in files

A75 RT-4/56

64T67

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

ZHUR FIZ KHIM Vol XXII, No 2 Feb 1948

"Research on the Inflammability of Gas Mixtures" 8 pp

M. B. Neyman, Kh. M. Rubina

Done by AMC
NAD 44774-A
Copy in Files

64T85

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

A Kinetic Method of Physicochemical Analysis.
II. Kinetics of the Reaction of Tinsodium
Alloys With Ethyl Bromide Vapor, by M. B.
Neyman, V. A. Shushunov, 30 pp.

RUSSIAN, Zhur per, Zhur Fiz, Khim, Vol XXII,
No 2, 1948, pp 145-155.

Sci Tr Center
RT-3924 37,879

Sci - Chemistry

Aug 1950

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

Shushunov, V. A. and Shlapnikov, Yu. A.
KINETIC METHOD OF PHYSICAL CHEMICAL ANALYSIS. III. KINETIC REACTION OF THE TERNARY ALLOYS Na + Pb + Mg WITH THE VAPORS OF ETHYL CHLORIDE. [1963] 10p. (figs. omitted) 7 refs.
Order from OTS or SLA $1.10 63-16041

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1948, v. 22 [no. 2] p. 157-160.

DESCRIPTORS: *Phase studies, Chemical analysis, *Sodium alloys, *Lead alloys, *Magnesium alloys, *Ethanes, Chlorides, Vapor pressure, Ethyl radicals, Lead, Synthesis (Chemistry), Reaction kinetics.

It was established that the addition of magnesium to NaPb alloy does not modify the character of the kinetic curves of the reaction forming tetraethyllead. The
(Chemistry--Physical, TT, v. 10, no. 6) (over)

63-16041

I. Shushunov, V. A.
II. Shlapnikov, Yu. A.
III. Title: Kinetic...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290036-5

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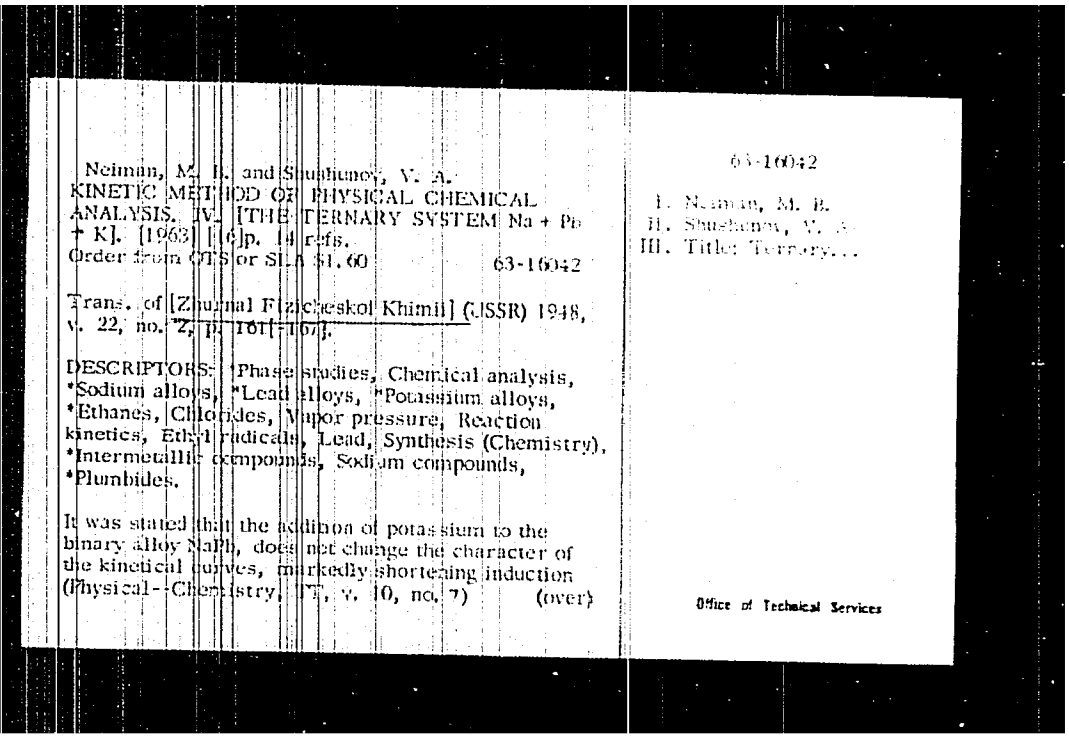

Neiman, M. B. and Shubnikov, V. A.
KINETIC METHOD OF PHYSICAL CHEMICAL ANALYSIS. IV. [THE TERNARY SYSTEM Na + Pb + K]. [1963] [6]p. 14 refs.
Order from CTS or SLA $1.60 63-16042

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1948, v. 22, no. 2, p. 161[-167].

DESCRIPTORS: *Phase studies, Chemical analysis, *Sodium alloys, *Lead alloys, *Potassium alloys, *Ethanes, Chlorides, Vapor pressure, Reaction kinetics, Ethyl radicals, Lead, Synthesis (Chemistry), *Intermetallic compounds, Sodium compounds, *Plumbides.

It was stated that the addition of potassium to the binary alloy NaPb, does not change the character of the kinetical curves, markedly shortening induction (Physical--Chemistry, TT, v. 10, no. 7) (over)

63-16042

I. Neiman, M. B.
II. Shubnikov, V. A.
III. Title: Ternary...

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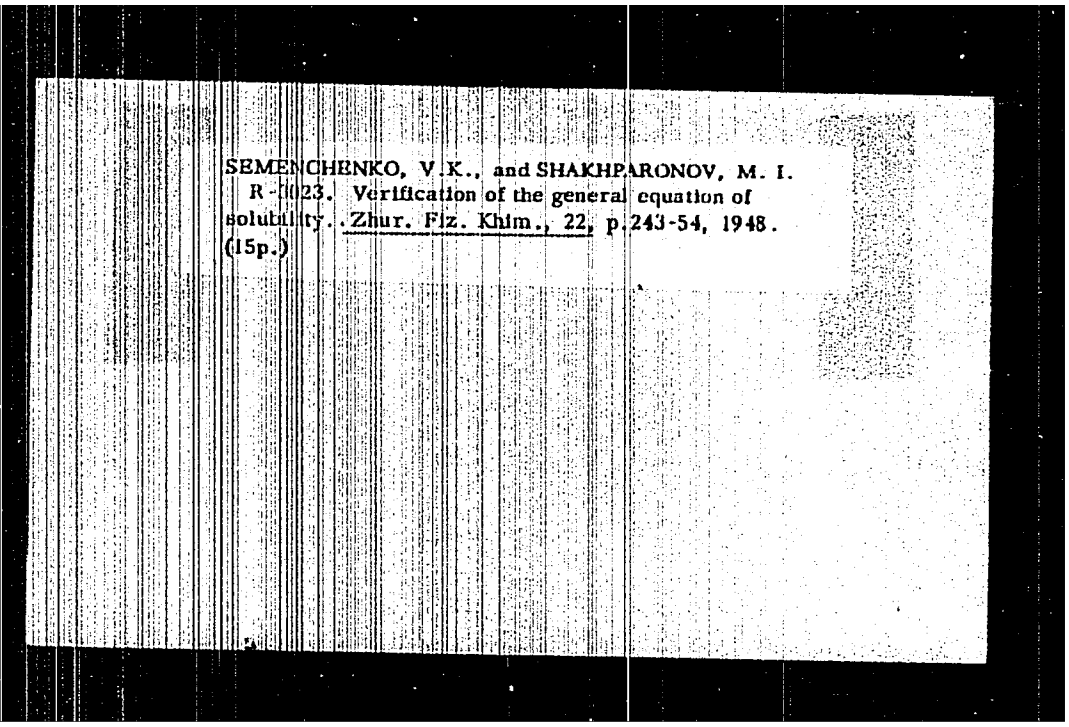

SEMENCHENKO, V.K., and SHAKHPARONOV, M. I.
R-1023. Verification of the general equation of solubility. Zhur. Fiz. Khim., 22, p.243-54, 1948.
(15p.)

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